

NATIONAL TRANSPORTATION SAFETY BOARD  
Bureau of Technology  
Washington, D. C.

November 8, 1979

SPECIALIST'S FACTUAL REPORT OF INVESTIGATION  
COCKPIT VOICE RECORDER

A. ACCIDENT

Location : Mexico City, Mexico  
Date : October 31, 1979  
Aircraft : Douglas DC-10  
Operator : Western Airlines  
Flight No. : 2605  
NTSB No. : DCA 80-RA-002

B. GROUP

Paul C. Turner, National Transportation Safety Board, Chairman  
George Zurian, Western Airlines, Los Angeles, Member  
Robert Lindquist, Air Line Pilots Association, Los Angeles, Member  
J. Jon Huenta, Air Line Pilots Association, Los Angeles, Member  
Lloyd F. Wittenburg, Western Flight Operations, Los Angeles, Member  
Wilford A. Bryde, Douglas Aircraft Company, Los Angeles, Member  
M. E. Russell, Federal Aviation Administration, Member

C. SUMMARY

A Fairchild A-100 cockpit voice recorder, S/N 728, was brought to the CVR laboratory by Mexican authorities where the tape was removed and played back. It was found that the tape was partially erased. The transcript was prepared with some difficulty.

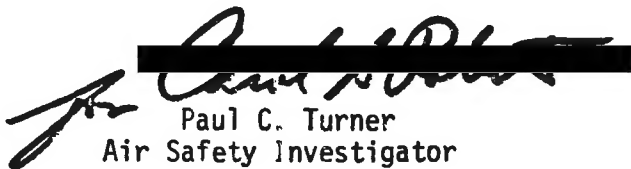
D. DETAILS OF EXAMINATION

A Fairchild A-100 cockpit voice recorder, S/N 728, from Western Airlines flight No. 2605, which crashed on landing at Mexico City, Mexico, was brought to the Audio Laboratory of the National Transportation Safety Board for transcription. The tape was removed from a relatively undamaged recorder. The dust cover and recorder frame were bent in and the input plug was jammed into the case. When the tape was played, it was found to have been partially bulk erased and contained a number of rather sharply defined interfering tones. This bulk erasure is being studied for future action. The original was taken to the FBI labs where it was put through a ADAPT filter and highly compressed. The final transcript was made from this tape. The transcript, while not entirely complete, represents the best that could be reasonably expected from the tape.

QUALITY CONTROL CHECK

002

The tape channel which was assigned to the flight engineer was found to be inoperative. Additionally, the monitor headset plug on the CVR, which could be used for selectively monitoring the individual tape channels, was found to have been previously tampered with in a manner to preclude a check of the operation of all channels of the recorder at the unit.

  
Paul C. Turner  
Air Safety Investigator

Attachment

QUALITY CONTROL CHECK

003

TRANSCRIPT OF A FAIRCHILD COCKPIT VOICE RECORDER, S/N 728,  
REMOVED FROM THE WESTERN AIRLINES DC-10 WHICH WAS INVOLVED  
IN AN ACCIDENT AT MEXICO CITY, MEXICO ON OCTOBER 31, 1979

LEGEND

CAM	Cockpit area microphone voice or sound source
RDO	Radio transmission from accident aircraft
-1	Voice identified as Captain
-2	Voice identified as First Officer
-3	Voice identified as Flight Engineer
-?	Voice unidentified
CTR	Mexico Center
TWR	Mexico Tower
*	Unintelligible word
#	Nonpertinent word
%	Break in continuity
( )	Questionable text
(( ))	Editorial insertion
---	Pause
Note:	All times are expressed in Greenwich mean time.

QUALITY CONTROL CHECK

004

INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

CAM-1 Report what?

CAM-1 Gotta get up

CAM-? Fell on the floor

CAM-2 We're about, ah thirty miles

CAM-1 Oh #

17:56  
CAM-1 Thought I lost my revision

CAM-? \* (still to far out) \*

CAM-? Why one

21:37  
CAM-1 Better put Mexico on two huh

CAM-2 Yeah

CAM-1 Did you hear what the man said

CAM-1 Well let's (start for lower)

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

CTR Six zero five, maintain three seven zero

RDO-2 Estimate \* \* \*

RDO-2 Past Gabby at \* \* three seven zero we're estimating \*

CTR Two six zero five, report \* three forty five

QUALITY CONTROL CHECK

005



INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

23:48  
CAM-1 Twenty point one is that it?

24:01  
CAM-2 Yeah \*

CAM-2 They want us to get hold of Center

CAM-1 Go ahead he said

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

23:10  
RDO-2 Centro Mexico \* two six oh five

25:12  
RDO-2 Centro Mexico Western two six  
zero five

24:08  
RDO-2 Central Mexico \* \* six zero five

24:14  
RDO-? (Thanks) Western

24:18  
RDO-2 Okay Western two six oh five  
requesting lower \*

24:23  
CTR Two six oh five is ah, \* \* radar  
contact descend to one three  
thousand \* \* Tepexpan three zero  
two zero the altimeter \* \* expect  
\* \* two three right

QUALITY CONTROL CHECK

006

5

INTRA-COCKPIT

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
CAM-2	(I think it's) Tepexpan approach
CAM-1	Yeah right
CAM-?	*
CAM-?	Well * *
CAM-?	(Get) that * *
26:44 CAM-1	See if you can get * (Tepexpan) early
26:57 CAM-1	Okay ah ADF

AIR-GROUND COMMUNICATIONS

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
24:33 RDO-2	Okay we'll descend to one three thousand
24:59 CAM-1	Western two six oh five leaving three seven zero for one three thousand
26:10 CAM	Two six zero five roger
26:12 RDO-2	Thank you

QUALITY CONTROL CHECK

007

INTRA-COCKPIT

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
CAM	((Sound TP in code))
27:20 CAM-1	Morning (Dan)
CAM-3	Morning
28:18 CAM-3	Runways two three charlie
28:19 CAM-1	Okay *
28:47 CAM-1	Got the, got the weather there ah
CAM-?	Yeah *
28:57 CAM-2	* thirty twenty
CAM-?	Zero siz zero * *

QUALITY CONTROL CHECK

AIR-GROUND COMMUNICATIONS

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
29:16 CTR	Western two six zero five, change to one nineteen seven
29:22 RDO-2	Say again for two six oh five
CTR	One nineteen seven
RDO-2	One nineteen seven

INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

CAM-? \* \* sleep

29:49  
CAM-1 \* \* he must of had a nap  
because

30:33  
CAM-3 Yeah, there's the sun coming up \*

CAM-1 Yeah

CAM-2 Yeah

30:40  
CAM-3 Gonna be light by the time we get  
to the blocks

30:46  
CAM-2 What do you figure our (wait)  
will be?

30:53  
CAM-3 No more than an hour or two

32:16  
CAM-1 Nice and clear so far down there

CAM-? (And ah)

CAM-1 Smoke over the city and \* \*

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

29:37  
RDO-2 \* Mexico Western two six zero five \*  
\* out of two five point five

29:42  
RDO-? \* \*

RDO \* \*

QUALITY CONTROL CHECK

209

INTRA-COCKPIT

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
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CAM-?	Yeah * *
CAM-1	Giving three and smoke
32:31 CAM-2	Yeah three and smoke
CAM-1	It should be *
CAM-3	You can have it now
CAM-1	Look at that smog
32:52 CAM-3	<u>Seat sign</u>
CAM-1	Auto on
CAM-3	<u>Altimeters</u>
32:54 CAM-1	Set thirty twenty
CAM-2	<u>Thirty twenty</u>
CAM-3	<u>Fine back here, radio, altimeters</u>
CAM-2	<u>Two hundred</u>
CAM-1	<u>Set minimum and test</u>
CAM-3	HSI
33:00 CAM-1	Radio
CAM-2	Dad

AIR-GROUND COMMUNICATIONS

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
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QUALITY CONTROL CHECK

0100

INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

CAM-3	Landing data
33:09 CAM-1	I want to stay, ah I want to stay on INS for a minute here
CAM-?	* *
CAM-1	Yeah, its set
CAM-2	Set right
33:20 CAM-3	Okay CDU
33:22 CAM-1	Track and groundspeed
CAM-2	Groundspeed
CAM-3	Shoulder harness
CAM-1	On
CAM-2	Right
33:29 CAM-3	I think I'm gonna sleep late
CAM-3	* *all night * *
33:37 CAM-3	I think I got about three hours sleep this afternoon *

QUALITY CONTROL CHECK

100  
1011

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

34:13  
CAM-1

X Descend to eleven and cleared for  
the approach is that correct?

34:23  
CAM-3

\* \* the data Charlie, do you  
realize do you realize that you're  
in INS

35:29  
CAM-1

Huh?

CAM

((Sound of altitude alert))

CAM-3

You're in Rad now right

CAM-1

Right

CAM-2

Right

35:35  
CAM-3

Just checking up old buddy to  
make sure that ah the in-range  
is complete Charlie

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

34:03  
CTR

Western two six zero five, descend  
to one one thousand cleared for  
Tepexpan two three right

34:10  
CAM-2

\* \* descend to one one thousand  
Western twenty six \*

34:19  
RDO-2

Tepexpan arrival for twenty six oh  
five sir?

CTR

That is correct

QUALITY CONTROL CHECK

epd

INTRA-COCKPIT

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

36:25  
CAM-?

\* six hundred

CAM-?

Roger

CAM-2

(Stabbed again)

36:49  
CAM-1

Looks like it might

CAM-1

Yeah

36:54  
CAM-1

Let's have ah slats \*

CAM-3

(Someone) open it up \*

CAM-?

Huh

37:02  
CAM-2

Quadalagara

CAM-3

(If we have to)

CAM-1

(Yup)

37:38  
CAM

((Sound of landing gear warning horn))

37:43  
CAM-1

Twenty two flaps

TIME &  
SOURCE

CONTENT

36:31  
TWR

Six zero five tower advises, ah, ground fog \* \* on the runway and two miles visibility

36:39  
RDO-2

Roger twenty six oh five  
(1134: 24 GMT actual DFDA)

QUALITY CONTROL CHECK

0013

12



INTRA-COCKPIT

TIME & SOURCE                      CONTENT

CAM            ((Sound similar to flap handle movement))

CAM-2        Twenty two

CAM-1        (Okay)

CAM-2        Yeah, you're off (a little bit)

38:18  
CAM-1        Change the ADF please to \*  
                 the outer

38:23  
CAM-1        Approach checklist

CAM            ((Sound of code))

38:33  
CAM-2        Set

CAM-3        Course selectors

38:39  
CAM-2        Set

CAM            ((Sound of code ME))

CAM-1        Set

CAM-(2)       Flight guidance

CAM-3        Flight guidance system

AIR-GROUND COMMUNICATIONS

TIME & SOURCE                      CONTENT

QUALITY CONTROL CHECK

004

13

INTRA-COCKPIT

ATC TIME  
DFDR

TIME &  
SOURCE

CONTENT

38:47  
CAM-1 As desired for now

CAM-3 • Flight mode annunciators

CAM-1 Ah speed, vertical speed, heading  
select

38:55  
CAM-2 Vertical speed --- heading

39:06  
CAM-3 ADF marker beacon switch

CAM-1 ADF and on

CAM-2 Set right

39:11  
CAM ((Sound of altitude warning  
horn))

39:16  
CAM-3 Instrument comparison

39:21  
CAM-1 \* Going, going through one  
eighty one, eighty ah one sixty  
ah ten thousand

QUALITY CONTROL CHECK

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

39:01  
CTR Twenty six zero five change to  
tower one eighteen one radar service  
terminated

39:04  
RDO-2 Eighteen one  
(1137:47 GMT, actual DFDR)

5105

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-?	Okay
39:27 CAM-1	All right to <sup>8</sup> five them the no smoking sign
CAM-1	Ah, yeah go head
CAM	((Sound of avionics cooling fan))
40:00 CAM-1	Gear down
40:18 CAM-3	Landing gear
40:21 CAM-2	What happened to that
40:24 CAM-3	Huh
CAM-1	The whole # # thing ah quit
CAM-1	I don't have any *

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
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AT

0 - 1139:36 (TOWER) (-3) 39:39 RDO-2 1 Mexico tower Western two six zero five (113822) Actual DFDR

7 - 39:43 (TOWER) (-2) 39:45 TWR 2 Western two six zero five two three right approach \* wind clam

12 - 39:48 (TOWER) (-3) 39:51 RDO-2 DFDR-Roger 3 (113834) Actual DFDR

QSIGN DFDR GMT = 11:39:36

QUALITY CONTROL CHECK

20/6

INTRA-COCKPIT

TIME & SOURCE

CONTENT

40:29  
CAM-1 I don't have any ah

40:34  
CAM-1 Thirty five flaps set the bug

CAM-1 Check \* \* \* Dan

CAM ((Sound of marker beacon ME))

CAM-? Set

CAM-2 It just died

CAM-? Three green

CAM--3 Spoiler handle

40:44  
CAM-2 Okay one thirty six

CAM ((Sound of racket))

CAM-3 Armed Charlie?

40:49  
CAM-1 Armed, yeah

CAM-? \*

QUALITY CONTROL CHECK

AIR-GROUND COMMUNICATIONS

TIME & SOURCE

CONTENT

40:51  
HIS (Tower) (-1)

40:55/40:51  
RDO-2 [4] Ah twenty six oh five is, is inside mike echo (113937 Actual DFOA)

40:58  
TWR [5] Roger twenty six oh five ah

40:57  
(Tower)

40:53  
HIS

40:51  
HIS

INTRA-COCKPIT

TIME &  
SOURCE

CONTENT

41:10  
CAM-1

Set the missed approach altitude heading and

41:14  
CAM-1

Yeah we know

CAM-1 # # track (isn't) working too good

41:19  
CAM-1

I'll tell ya

41:24  
CAM

((GPWS - glideslope - glide))

41:26  
CAM

((Sound of increasing power))

41:29  
CAM-1

Flaps, slats

CAM-1

The throttles are to # slow

41:35  
CAM-1

Set the missed approach heading and fifteen bank

CAM

((Sound of ratchet))

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

41:04  
CAM-3

Flight attendants, please be seated and we'd like to thank you all for flying Western

41:13  
TWR

You are \* \* \*

RD0-2

Just a little bit

(11395.59 actual DZDA)

41:20  
TWR

Advise runway in sight there's a layer of \* over the field

QUALITY CONTROL CHECK

INTRA-COCKPIT

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

TIME &  
SOURCE

CONTENT

529  
7820  
41:43  
CAM-3 ✓ Flaps thirty five thirty five (green)

41:46  
CAM-1 Dan check em

CAM-3 Same

CAM-1 Check em

7794  
453  
41:51  
CAM-3 ✓ Flight guidance \*

7779 420  
41:52  
CAM-1 ✓ Negative

7528  
122  
42:04  
CAM-1 ✓ We're cleared on the right  
CAM-? Approach is on the left

7562  
122  
42:05  
CAM-1 ✓ We're cleared on the right is  
that correct?

7529  
1188  
42:08  
CAM-2 The other runway  
CAM-3 Is this the approach to the right?

QUALITY CONTROL CHECK

7794  
41:48 ✓ TWR 9  
(tower) -3  
Six oh five do you have approach  
lights (on left) in sight

7701  
360  
41:54 → 41:54  
(tower) TWR 10  
\* \* the approach lights are on  
runway twenty-three, advise runway  
is closed to traffic

INTRA-COCKPIT

AIR-GROUND COMMUNICATIONS

TIME &  
SOURCE

CONTENT

TIME &  
SOURCE

CONTENT

7519  
117 42:09  
CAM-1 ✓ No this is approach to the # # left  
missed approach

7457 42:14  
CAM-2 ✓ Yeah, climb to eighty five hundred

7490 42:18  
CAM-2 ✓ Charlie I have

42:20  
CAM ((Sound of initial impact))

CAM ((Sound of rapid and mixed conversation))

CAM-2 \* fly heading

96 42:25  
CAM-3 Charlie cut the

CAM ((Sound of warning horn))

CAM-? \*

CAM ((Sound of engine buzz saw))

42:30  
CAM-1 Gear up

42:32  
CAM-2 You're banking to the \*

CAM-? \*

CAM-? #

7416  
7457  
7457

QUALITY CONTROL CHECK

0000

INTRA-COCKPIT

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
42:37 CAM-?	Charlie get it up!
CAM-?	. *
CAM-?	Get it up!
CAM-?	* *
42:46 CAM	((Sound of final impact and end of recording

AIR-GROUND COMMUNICATIONS

<u>TIME &amp; SOURCE</u>	<u>CONTENT</u>
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QUALITY CONTROL CHECK

0021



MEXDGM

MZIDGM 01235

ATTN ING R KOBEZ F. MOLINAR

CONTACTOS ESTABLECIDOS POR EL VUELO WA 2605 EN LAS FREQ DEL ACC MZI.

0917. WA 2605 CHECO SOBRE VOR MSB AL MAXIMIDE TLI

PRIMERO CONTACTO.- 09

0920 WA 2605 BUENAS NOCHES.

CENTRO MZI BUENAS NOCHES WA2605

ACC MZI WA2605 MZI CENTER GO AHEAD

WA 2605 OK WA2605 CHECKED OVER TLI AT ... CLIMBING TO FL 370 WE ESTIMATE GOLFO AT 39

ACC MZI WA2605 ROGER REPORT REACHING 370

WA 2605 ROGER

0927. WA 2605 CENTRO MZI WA 2605 LEVELED AT 370

ACC MZI WA2605 ROGER

0940Z

WA 2605 CENTRO MZI WA2605

MZI WA 2605 GO AHEAD

0940Z

WA 2605 BY GOLFO AT 38 FL 370 ESTIMATING HNO ON THE HOUR CHOIX

ACC MZI WA 2605 ROGER

1022Z

WA 2605 MZI WA 2605

ACC MZI WA2605 GO AHEAD

WA 2605 WA 2605 WAS BY HNO AT ... ON THE HOUR FL 370 ESTIMATING

CHOIX 22 ARGON

ACC MZI WA 2605 ROGER WHEN OVER CHOIX CONTACT CENTER 128.0

WA 2605 ROGER 2605

1024Z

WA 2605 BUENAS NOCHES CENTRO MZI WA 2605

ACC MZI WA 2605 GO AHEAD

WA 2605 WE WERE BY CHOIX AT 22 FL 370 ARGON AT 39 DGO

ACC MZI ROGER 2605 SWITCH OVER 128.0 REPORT PASSING ARGON

WA 2605 SAY AGAIN THE FREQ 128.37

ACC MZI 128.0

WA 2605 SORRY MISTAKE

1028Z

WA 2605 WA 2605 FREQ 28.0

WA 2605 CHOIX CONTACT CENTER

1040Z

WA 2605 CENTRO MZI WA 2605

ACC MZI WA 2605 GO AHEAD

WA 2605 WE ARE OVER ARGON AT 39 FL 370 ESTIMATING DGO 49 GABY

ACC MZI WA 2605 ROGER

1055Z

ACC MZI WA 2605 MZI

WA 2605 CENTRO MZI WA 2605

ACC MZI WA 2605 GO AHEAD

WA 2605 WE ARE BY DGO AT 50 FL 370 ESTIMATING GABY AT 08 GET

ACC MZI ROGER WA 2605 WHEN OVER GABY CONTACT MEXICO CENTER 120.1

WA 2605 ROGER WA 2605

R. ESCARCEGA

QUALITY CONTROL CHECK

NNNN



NOMBRE DE LA FACILIDAD		FECHA Y HORA GMT DE LA TRANSCRIPCION	
INCIDENTE	MEXICANA 111	FRECUENCIAS	No. DE CINTA pag 2
CERTIFICADA POR:		CERTIFICADA POR:	

## TRANSCRIPCION MAGNETOFONICA Comnt J Silver

1057' CCA MEXICANA 111 SIGUE IGUAL DOS MILLAS EL BANCO TIENDE A EN-  
 TRAR HACIA EL LADO DE LAS PISTAS CINCO LA TORRE INFORMA  
 QUE EN CASO DE ENTRAR PARA 23 IZQUIERDA... DOS TRE  
 DERECHA PODRIA ENCENDER LAS LUCES PARA REFERENCIA...  
LA LLEGADA LA APROXIMACION PARA REFERENCIA A LA DOS -  
TRES DERECHA

MX111 CORRECTO SE ESTA METIENDO ENTONCES POR EL ESTE DEL ----  
 (desvanecido)

CCA ESTA POR EL LADO ESTA ENTRADO POR EL ESTE Y AHORA EST  
 POR EL LADO DEL PEÑON HACIA EL SUROESTE HACIA LA PISTA  
 CINCO ..ADELANTE

MX111 CORRECTO ESTAMOS DEJANDO 33 POR 200

CCA RECIBIDO AUTORIZADO DIRECTO A TEPEXPAN PARA TEPEXPAN  
 METRO HCO DOS TRES DERECHA

59' MX111 ENTERADO.

CCA MEXICANA 111 MANTENGA EN ESTA FRECUENCIA 19.7 ESTA  
 INTERMITENTE

MX111 LLAMO AL MEXICANA 111

CCA CORRECTO MANTENGA EN ESTA F FRECUENCIA

MX111 NO SE LE ESCUCHA FAVOR DE REPETIR

CCA MANTENER EN ESTA FRECUENCIA MEXICANA

MX111 ESTAMOS ABANDONANDO 23 punto 5 POR 200

CCA RECIBIDO CONTINUE DESCENSO A UNO SEIS MIL PIES

MX111 AUTORIZADOS A UNO SEIS MIL MEXICANA 111

CCA CHECAR ALTIMETRO MEXICO 30 20

MX111 30 20 Y EN OCASIONES SU TRANSMISION SE PIERDE (desvanecido)

1102' CCA RECIBIDO

CCA MEXICANA 111 CONTINUE DESCENSO A UNO DOS MIL PIES

04' MX111 17,200 POR UNO DOS MIL

cca MEXICANA 111 AHORA DIEZ MILLAS N OROESTE DE TEPEXPAN  
 SERVICIO DE RADAR TERMINADO LLAME CON LA TORRE 18.1

MX111 RADAR TERMINADO 18.1

CCA ESTA AUTORIZADA LA APROXIMACION BUENAS NOCHES

1106' MX111 buen dia .

QUALITY CONTROL CHECK

dp

1/XI/79

(2)

MX111

22

NOMBRE DE LA FACILIDAD

FECHA Y HORA GMT DE LA TRANSCRIPCION

TORRE DE CONTROL MEXICO SENEAM 31 de octubre de 1979

INCIDENTE

MEXICANA 111

FRECUENCIA S.

118.1

NO. DE CINTA

twr 20

CERTIFICADA POR: Dagoberto Perea Estrada  
(transcripciones)

CERTIFICADA POR:

Solicitada Sr. Manuel Hernandez Torres

## TRANSCRIPCION MAGNETOFONICA

Cont Luis

Muller

1106 MX111 TORRE MEXICO MEXICANA 111 ESTAMOS PROXIMOS A TEPEXPAH

TWR MEXICANA 111 DOS TRES DERECHA REPORTE METRO ECO  
EL VIENTO ES CALMA

MX111 DOS TRES DERECHA INFORMARE METRO ECO CON VIENTO CALMA

TWR SUB ESTACION DE TORRE SI ME ESCUCHA ENCIENDA A SU MAXIMA  
INTENSIDAD LA PISTA CINCO IZQUIERDA1109 TWR SUB ESTACION DE TORRE PONGA AL MAXIMO DE INTENSIDAD A  
LAS LUCES DE LA PISTA CINCO IZQUIERDASUB ESTACION DE TORRE PONGA AL MAXIMO DE INTENSIDAD  
A LAS LUCES DE PISTA CINCO IZQUIERDA

MX111 MEXICANA 111 TENEMOS PISTA A LA VISTA

TWR RECIBIDO MEXICANA 111 AUTORIZADO PARA ATERRIZAR

MX111 TIENE LAS VASIS PRENDIDAS ?

1111 TWR ES CORRECTO

TWR MEXICANA 111 KILO A LA DERECHA POR ALFA A PLATAFORMA  
PRECAUCION HAY UN BANCO DE NIEBLA EN EL LADO DE LAS  
PLATAFORMAS

1112:48" MX111 MUCHAS GRACIAS

==end==

QUALITY CONTROL CHECK

0025

NOMBRE DE LA FACILIDAD CENTRO DE CONTROL MEXICO (SENSEAM)		FECHA Y HORA (GMT) DE LA TRANSCRIPCION 31 de Octubre de 1979.	
INCIDENTE WESTERN 2605	FRECUENCIA(S) 120.1 126.9 119.7 Mhz.		No. DE CINTA CTA 56
CERTIFICADA POR:	CERTIFICADA POR:		
		CIDAA - GRUPO ATC	
<b>TRANSCRIPCION MAGNETOFONICA</b>			Controladores Jaime Silver
			Ricardo Sánchez

1110' WA 2605 BUENAS NOCHES CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.  
CCA. WESTERN TWO SIX ZERO...TWO SIX ZERO FIVE MAINTAIN THREE SEVEN ZERO REPORT GABY AND SQUAWK SEVEN THREE FOUR FIVE.  
WA 2605 UH...TWO SIX ZERO FIVE PASSED GARY AT ZERO EIGHT FLIGHT LEVEL THREE SEVEN ZERO WE ESTIMATE QUERETARO AT TWO FOUR.  
CCA. ROGER WESTERN TWO SIX ZERO FIVE REPORT QUERETARO AND SQUAWK SEVEN THREE FOUR FIVE.

1122' WA 2605 CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.  
WA 2605 CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.  
WA 2605 CENTRO MEXICO DO YOU READ WESTERN TWO SIX ZERO FIVE?  
CCA. GO AHEAD WESTERN.  
WA 2605 OKAY WESTERN TWO SIX ZERO FIVE REQUESTING LOWER ALTITUDE.  
CCA. TWO SIX ZERO FIVE ABEAM QUERETARO RADAR CONTACT DESCEND TO ONE THREE THOUSAND PROCEED DIRECT TO TEPEXPAN THREE ZERO TWO ZERO THE ALTIMETER EXPECT TWO THREE RIGHT APPROACH.  
WA 2605 OKAY WILL DESCEND TO ONE THREE THOUSAND.

24' WA 2605 WESTERN TWO SIX ZERO FIVE LEAVING THREE SEVEN ZERO FOR ONE THREE THOUSAND.  
WA 2605 MEXICO CENTER WESTERN TWO SIX ZERO FIVE LEAVING THREE SEVEN ZERO PLEASE ACKNOWLEDGE.

25' CCA. TWO SIX ZERO FIVE ROGER. QUALITY CONTROL CHECK  
WA 2605 THANK YOU.

28' (TRAFFIC BN920 COYUCA TWO FOUR/THREE FIVE ZERO GDL FIVE TWO)

FIS 126.9 (TRAFFIC CONDOR THREE SIX FOUR TAMPICO)

1125' CONDOR THREE SIX FOUR REQUEST THE LATEST WEATHER AND GATE.  
FIS OKAY CONDOR THREE SIX FOUR MEXICO WEATHER PARTIAL OBSCURED VISIBILITY THREE MILES HAZE, SMOKE, FOG, TEMPERATURE ZERO NINE DEW POINT ZERO SEVEN WIND ZERO SIX ZERO - SEVEN KNOTS ALTIMETER THREE ZERO TWO ZERO AND YOUR GATE NUMBER SEVENTEEN ONE SEVEN.



NOMBRE DE LA FACILIDAD		FECHA Y HORA (GMT) DE LA TRANSCRIPCION	
		( 2 )	
INCIDENTE	FRECUENCIA(S)	No. DE CINTA	
	120.1 126.9 119.7 Mhz	CTA 56	
CERTIFICADA POR:	CERTIFICADA POR:		
CIDAA - GRUPO ATC			

**TRANSCRIPCION MAGNETOFONICA** Controladores  
Jaime Silver

Ricardo Sánchez

CONDOR 364 OKAY THANK YOU VERY MUCH AND THE GATE ONE SEVEN?

FIS AFIRMATIVE.

WA 2605 MEXICO CITY WESTERN FLIGHT TWO SIX ZERO FIVE OVER.

FIS TWO SIX ZERO FIVE MEXICO.

WA 2605 UH...ROGER WILL BE ON THE BLOCKS AT FIVE SIX PAST THE HOUR AND WILL HAVE TWO SIX THOUSAND IN TANKS AND CAN YOU GIVE ME MY GATE AND ALSO I COPIED ALL THE WEATHER EXCEPT THE WIND.

FIS OKAY THE WIND ZERO SIX ZERO DEGREES AT SEVEN KNOTS AND YOUR GATE IS ELEVEN, ONE ONE.

WA 2605 ROGER COPIED GATE ONE ONE WESTERN SIX ZERO ONE UH... CORRECTION WESTERN TWO SIX ZERO FIVE OVER.

FIS ROGER.

1126' WA 2605 ...AND MEXICO CITY WESTERN TWO SIX ZERO FIVE WHAT RUNWAY ARE THEY USING?

FIS TWENTY THREE.

WA 2605 UNDERSTAND RUNWAY TWO THREE.

FIS ROGER.

1128' CCA. WESTERN TWO SIX ZERO FIVE CHANGE TO ONE NINETEEN SEVEN.

WA 2605 SAY AGAIN TWO SIX O FIVE.

CCA. ONE NINE POINT SEVEN.

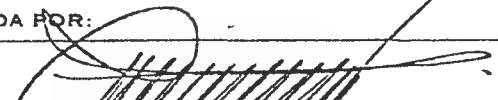
QUALITY CONTROL CHECK

WA 2605 ONE NINE POINT SEVEN "SO LONG".

1128' WA 2605 BUENAS NOCHES MEXICO WESTERN TWO SIX ZERO FIVE DESCENDING TO ONE THREE THOUSAND WE ARE OUT OF TWO FIVE POINT FIVE.

TML. TWO SIX ZERO FIVE ROGER RADAR CONTACT.

33' TML. WESTERN TWO SIX ZERO FIVE DESCEND TO ONE ONE THOUSAND, CLEARED FOR TEPEXCAN TWO THREE RIGHT.

NOMBRE DE LA FACILIDAD		FECHA Y HORA (GMT) DE LA TRANSCRIPCION ( 3 )	
INCIDENTE WESTERN 2605		FRECUENCIA(S) 120.1 119.7 126.9 Mhz.	Nº. DE CINTA CTA 56
CERTIFICADA POR:		CERTIFICADA POR:	
		CIDAA - GRUPO ATC	

## TRANSCRIPCION MAGNETOFONICA

Controladores  
Jaime Silver

Ricardo Sánchez

WA 2605 OKAY WELL DESCEND TO ONE ONE THOUSAND WESTERN TWENTY SIX O FIVE.

TML. ROGER.

WA 2605 AND THAT WAS THE TEPEXPAN ARRIVAL FOR UH...TWENTY SIX O FIVE?

TML. THAT IS CORRECT.

1135' TML. WESTERN TWENTY SIX ZERO FIVE TOWER ADVICES GROUND FOG ON THE RUNWAY AND TWO MILES VISIBILITY ON THE FINAL APPROACH.

WA 2605 ROGER TWENTY SIX ZERO FIVE.

TML. WESTERN TWENTY SIX ZERO FIVE CHANGE TO TOWER ONE EIGHTEEN ONE RADAR SERVICE TERMINATED.

38' WA 2605 GOOD NIGHT ONE EIGHTEEN ONE TWENTY SIX ZERO FIVE.

TML. ROGER.

----- O -----

MEXICO 1100Z RS1 -X3 HKF 09/07 0607/224/ HKF VISI NE 2 MI F  
MEXICO 1200Z RS2 W O X O FK 09/07 0206 227/FK 10 PISTA 23 D AVION ACCIDENTADO

CCA . centro de control

TML . Servicio de Terminal

FIS . Servicio de Información de Vuelo

TWR . Torre de control.

QUALITY CONTROL CHECK

0028

NOMBRE DE LA FACILIDAD

FECHA Y HORA (GMT) DE LA TRANSCRIPCION

TORRE DE CONTROL MEXICO

31 de Octubre de 1979.

INCIDENTE

FRECUENCIA(S)

No. DE CINTA

WESTERN 2605

118.1 Mhz.

TWR. 20

CERTIFICADA POR:

CERTIFICADA POR:

CIDAA - GRUPO ATC

## TRANSCRIPCION MAGNETOFONICA

Controlador  
Luis Mancilla G.

(1138'14") REPRODUCER'S TIME READER.

1139'36" WA 2605 GOOD MORNING UH...MEXICO TOWER WESTERN TWO SIX ZERO FIVE IS IN BOUND FOR TWO THREE.

39'43" TWR WESTERN TWO SIX ZERO FIVE, TWO THREE RIGHT REPORT OVER MIKE ECO WIND CALM.

39'45" WA 2605 ROGER.

51" WA 2605 AND WESTERN TWO SIX O FIVE IS INSIDE MIKE ECO.

40'57" TWR WESTERN TWO SIX O FIVE UH...ADVISE RUNWAY IN SIGHT.

41'05" TWR DO YOU HAVE YOUR LIGHTS ON?

41'10" TWR WESTERN SIX O FIVE YOU ARE TO THE LEFT OF THE TRACK.

41'14" WA 2605 JUST A LITTLE BIT.

41'18" TWR ADVISE RUNWAY IN SIGHT, THERE IS A...LAYER OF A...FOG OVER THE FIELD.

41'26" WA 2605 TWO SIX O FIVE ROGER.

41'48" TWR SIX O FIVE DO YOU HAVE APPROACH LIGHTS ON LEFT IN SIGHT?

41'52" WA 2605 NEGATIVE.

42'54" TWR OKAY SIR UH...APPROACH LIGHTS ARE ON RUNWAY TWO THREE LEFT BUT THAT RUNWAY IS CLOSED TO TRAFFIC.

42'02" WA 2605 OKAY TWO SIX O FIVE.

42'22" WA 2605 OH... (P/T)

42'42" WA 2605 CLICK (P/T)

43'08" TWR ¡ SUB ESTACION DE TORRE SE ACABA DE ESTRELLAR EL WESTERN!

43'12" SUB-EST. LO VIMOS, ESTAMOS EN LA SALA SEIS.

43'16" TWR FAVOR DE AVISAR A BOMBEROS Y A COMANDANCIA.

43'18" SUB-EST. OKAY.

----- 0 -----

QUALITY CONTROL CHECK

0629



QUALITY CONTROL CHECK

0030

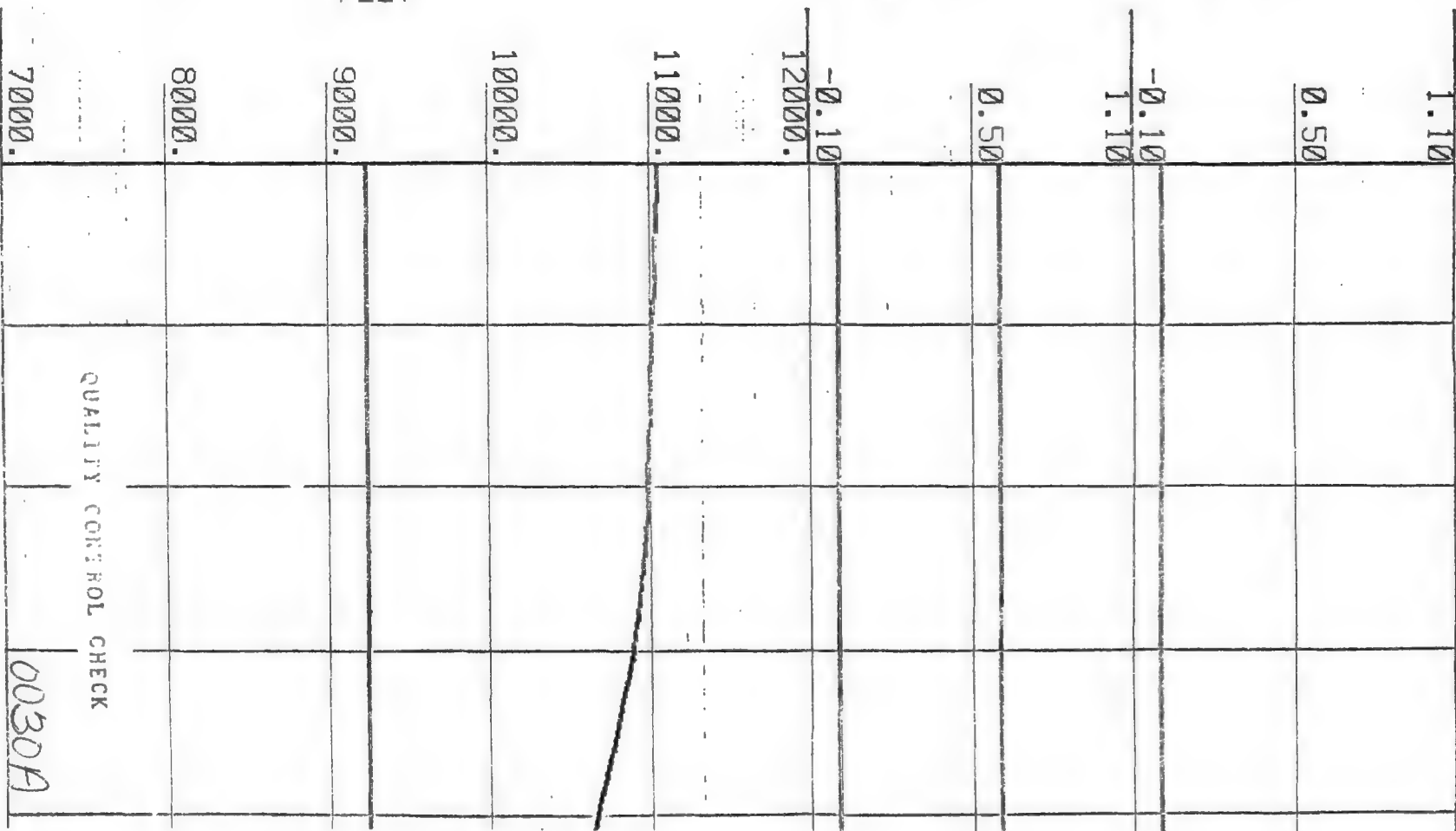
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A thru D

requires 4 frames

oversized document

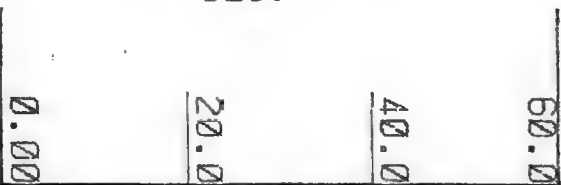
Sequential frames  
of

# WFS1EHRN



2 FLAPR3  
2 DEG.

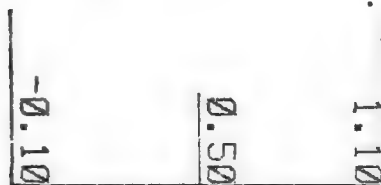
4 SL2LI1



1 MSL  
FEET

3 SL4LO1

5 SL4RO1



# AIRLINES UC-10

1:37:50

1:38:00

1:38:10

1:38:20

1:38:30

1:38:40

1:38:50

1:39:00

QUALITY CONTROL CHECK

2030B

2

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3

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5

# MEXICO CITY

1:39:20  
1:39:30  
1:39:40  
1:39:50  
1:40:00  
1:40:10  
1:40:20  
1:40:30

QUALITY CONTROL CHECK

00300



:40:40

:40:50

:41:00

:41:10

:41:20

:41:30

31-100-18



NATIONAL TRANSPORTATION SAFETY BOARD  
BUREAU OF TECHNOLOGY  
WASHINGTON, D. C.

QUALITY CONTROL CHECK

00300

LOCATION: MEXICO CITY  
DATE: 31-OCT-79  
AIRCRAFT: DC-10

RECORDER M/M: SUNDSTRAND  
RECORDER S/N: 2567  
IDENT NO: 000 00 00 000

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of

Oversized document

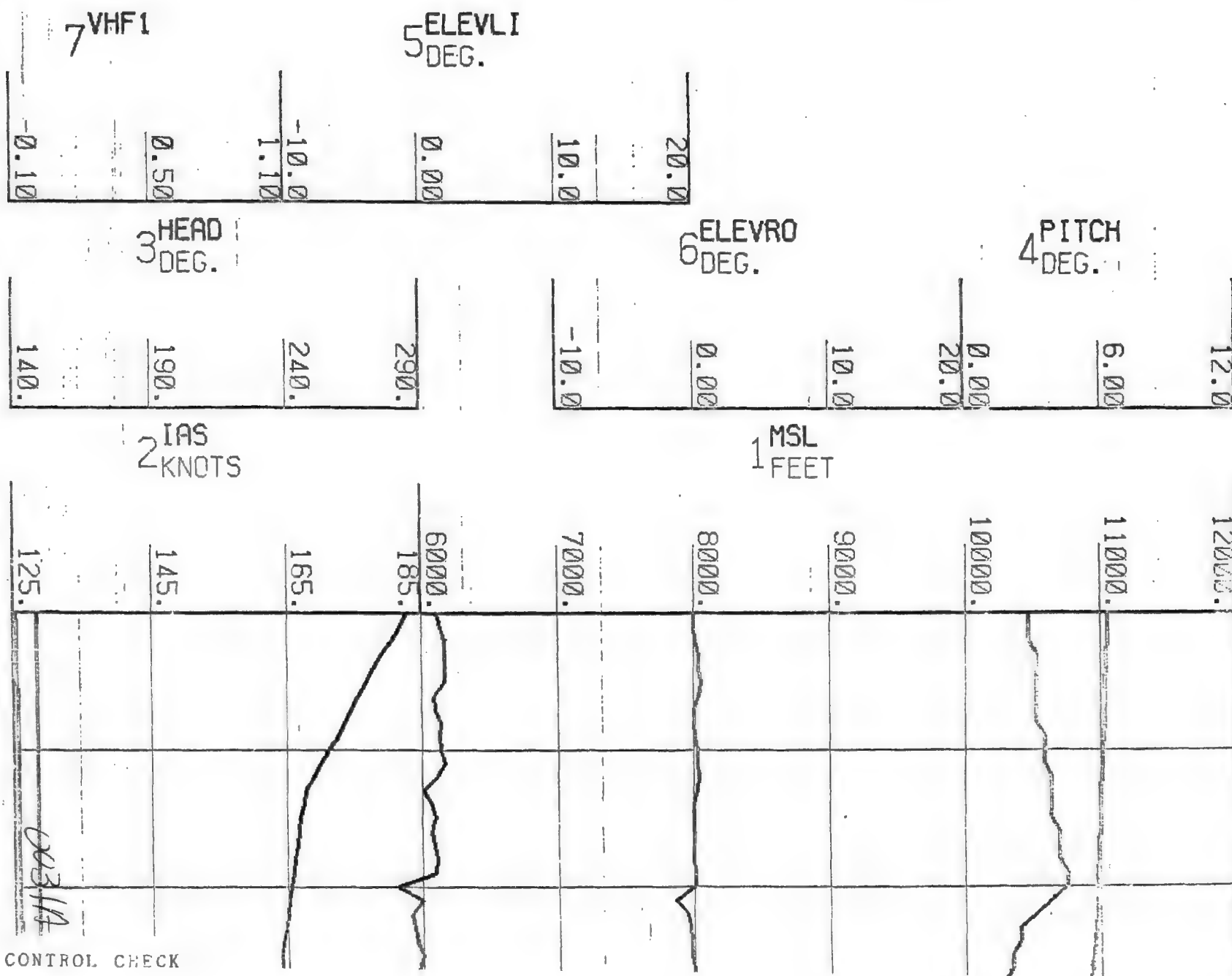
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page # 0031 A thru E

QUALITY CONTROL CHECK

0031

ME51F



# EVN HILF LINE 500

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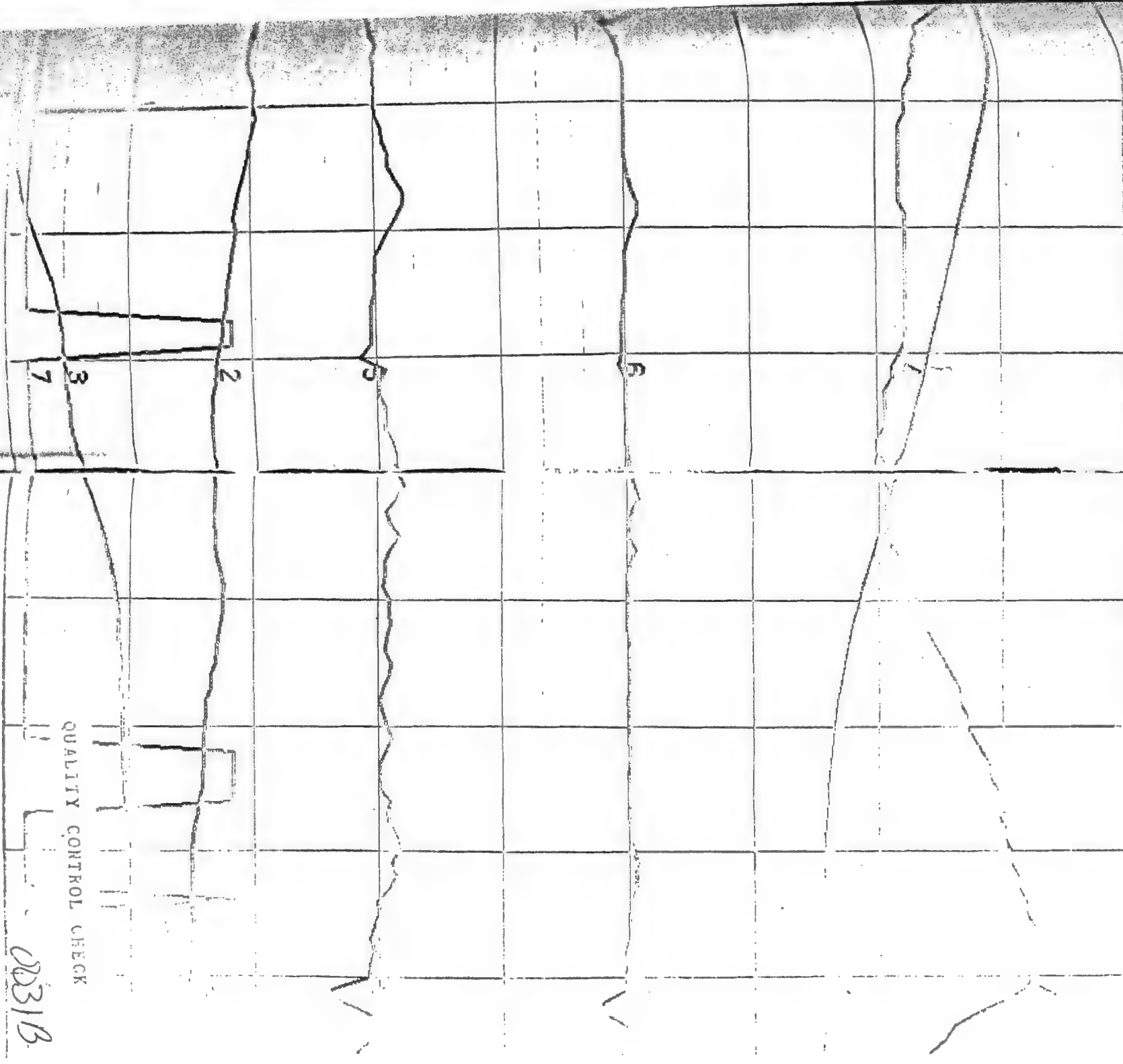
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1:38:40



QUALITY CONTROL CHECK

0031B



1:38:50

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1:40:00

0034C

QUALITY CONTROL CHECK

7

2

3

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7

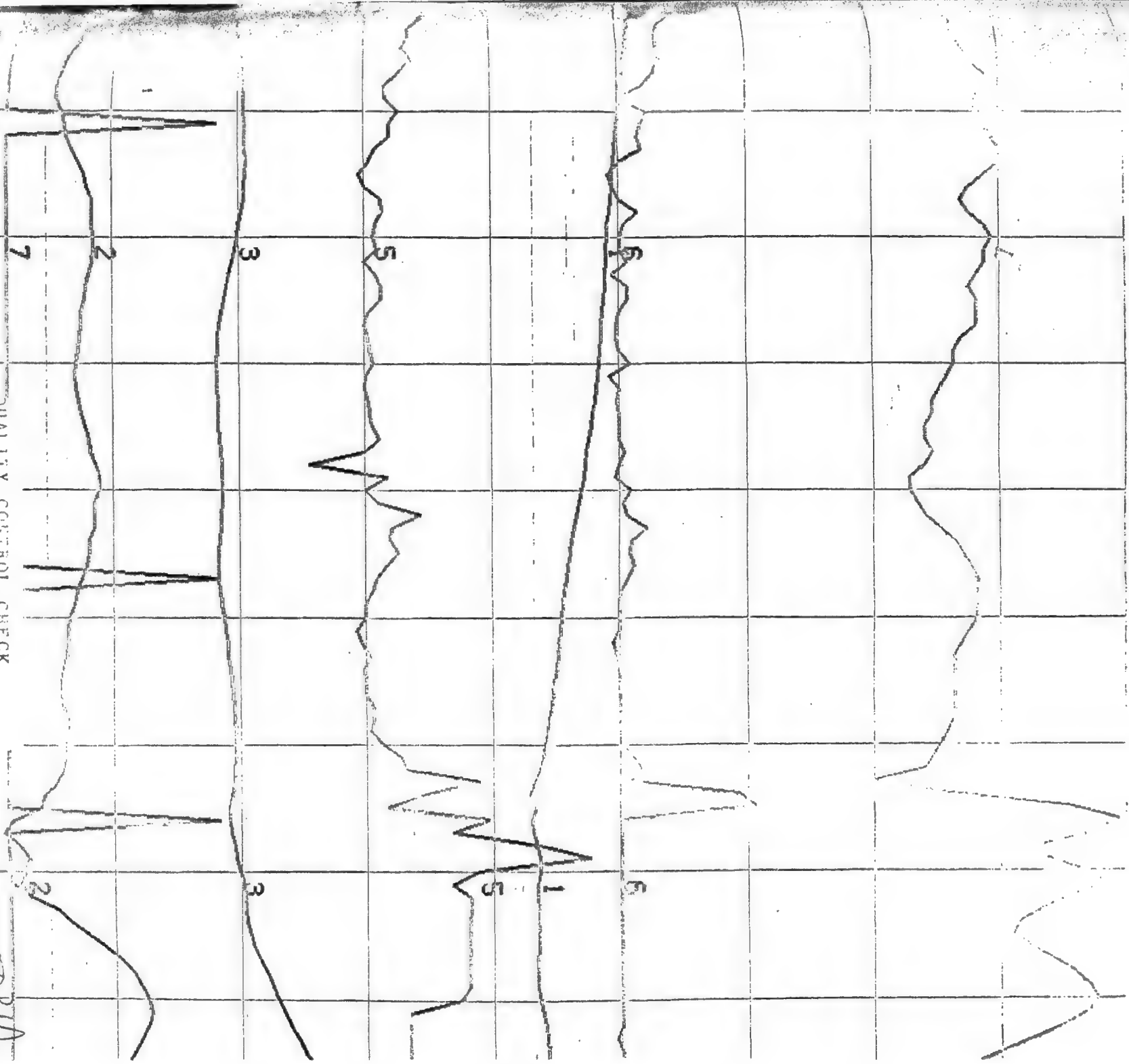
16111EX110

1115 31-10-11

1:40:10  
1:40:20  
1:40:30  
1:40:40  
1:40:50  
1:41:00  
1:41:10  
1:41:20

QUALITY CONTROL CHECK

0031D



1:40:40

1:40:50

1:41:00

1:41:10

1:41:20

1:41:30



# NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY

WASHINGTON, D. C.

LOCATION: MEXICO CITY  
DATE: 31-OCT-79  
AIRCRAFT: DC-10  
OPERATOR: WESTERN AIRLINES  
FLIGHT NO.: 2605

RECORDER M/M: SUNDSTRAND 5732  
RECORDER S/N: 2557  
IDENT. NO.: DCP 60-56-000  
REPORT NO.:

QUALITY CONTROL CHECK

00317

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of

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requires 4 frames

page #  
0032 A thru D

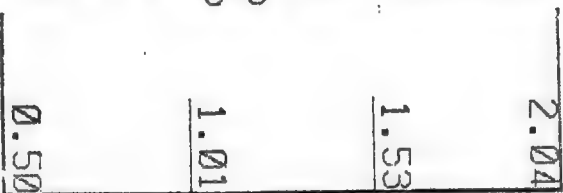
QUALITY CONTROL CHECK

0032

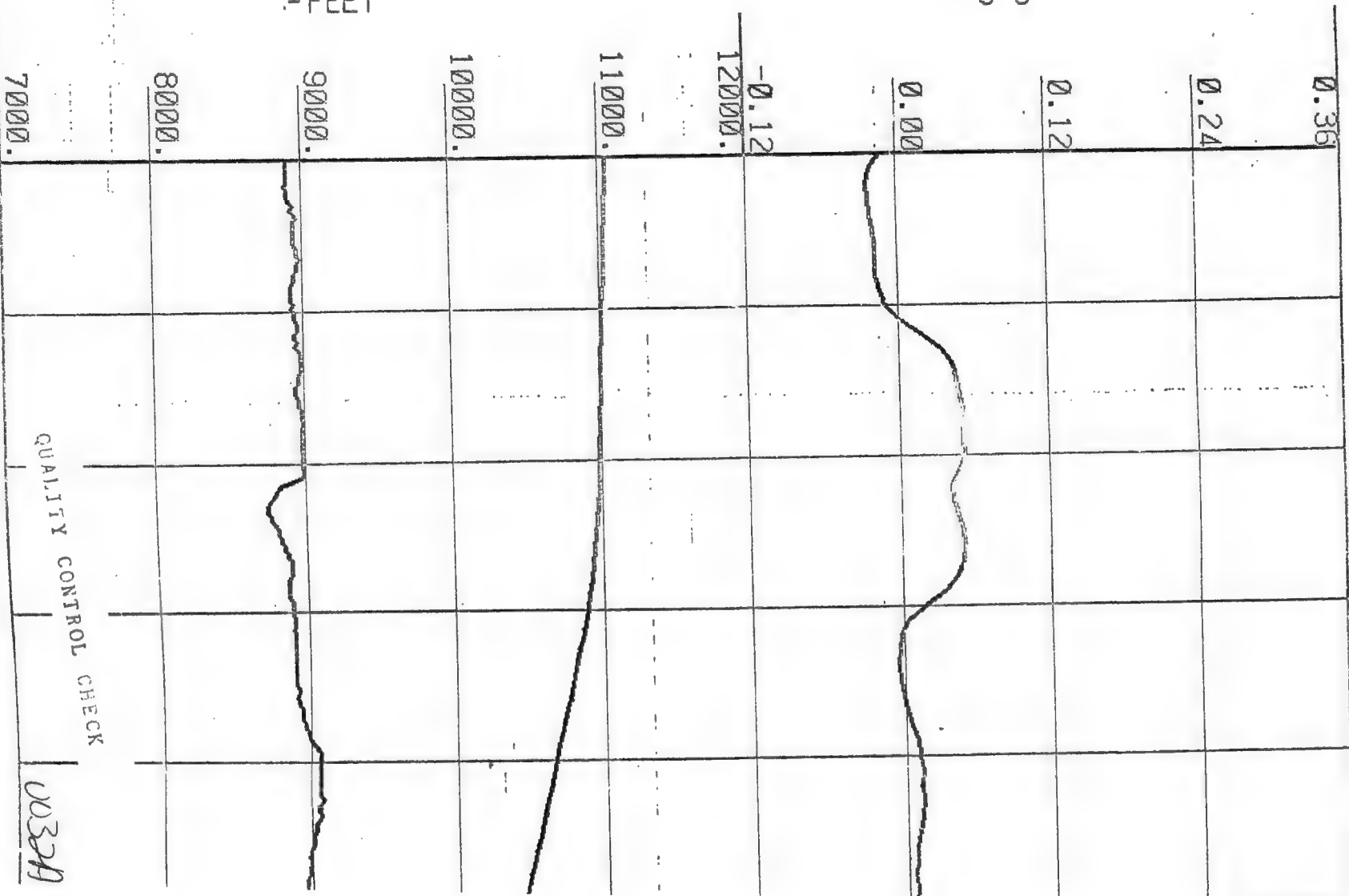
# MES1EPRN R

3 LONG  
G'S

2 G'S



1 MSL  
FEET

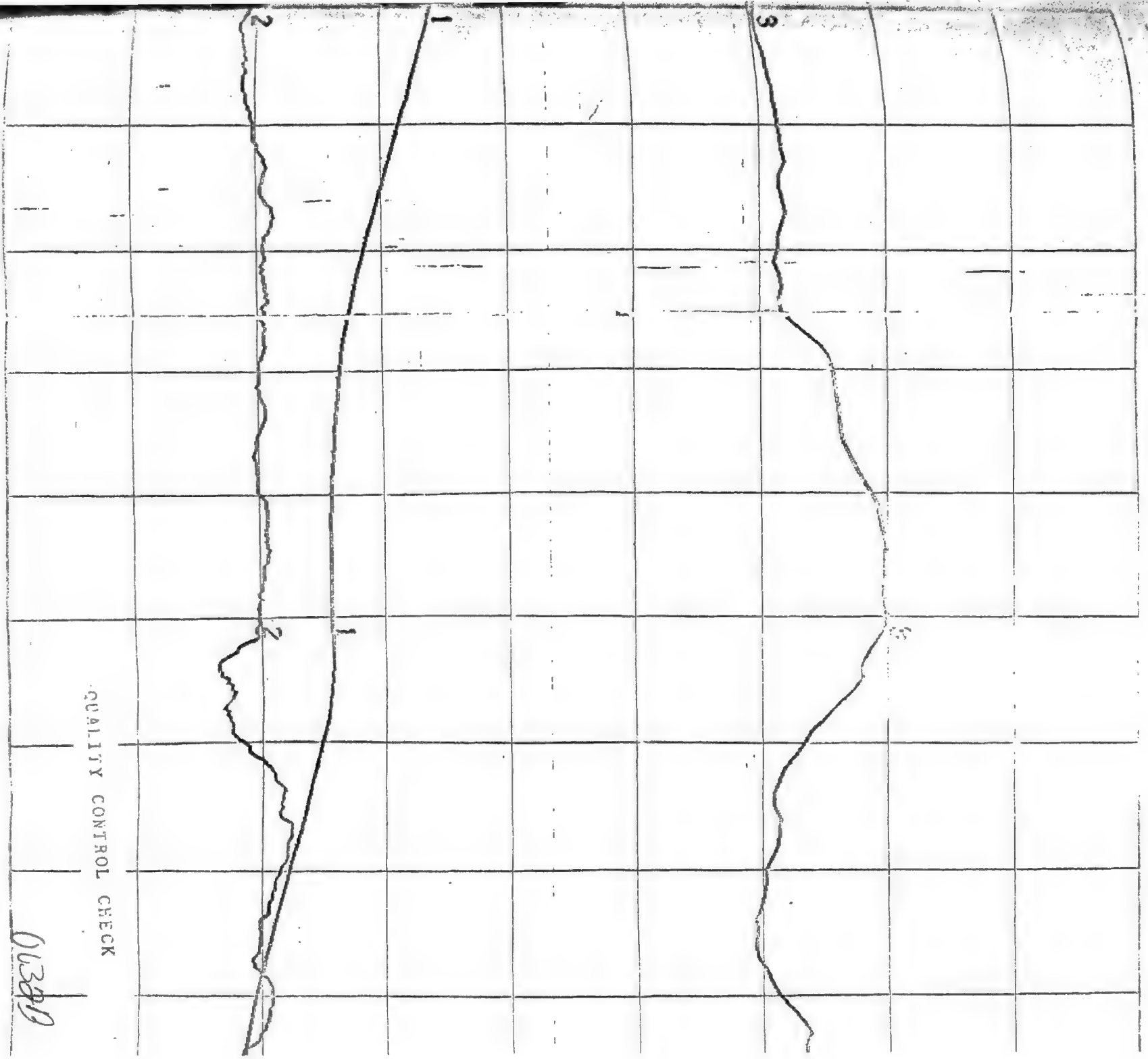


PROFILES 11-16 H

38:00  
38:10  
38:20  
38:30  
38:40  
38:50  
39:00  
39:10

QUALITY CONTROL CHECK

063419



FILED 10 JUL 11 1964



1:39:20

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1:39:50

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1:40:20

1:40:30

QUALITY CONTROL CHECK

00324

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41:30

11:31-39

NATIONAL TRANSPORTATION SAFETY BOARD  
BUREAU OF TECHNOLOGY  
WASHINGTON, D. C.

QUALITY CONTROL CHECK

0032D

LOCATION: MEXICO CITY  
DATE: 31-OCT-79  
RTW 3P71: DC-10  
CNS 0102: DISPERM CTR INEC

RECORDER M/N: SUNDSTRAND 573  
RECORDER S/N: 2537  
IDENT. NO.: 001 00-32-003  
CORRECT NO.:



Sequential frames  
of

Oversized document

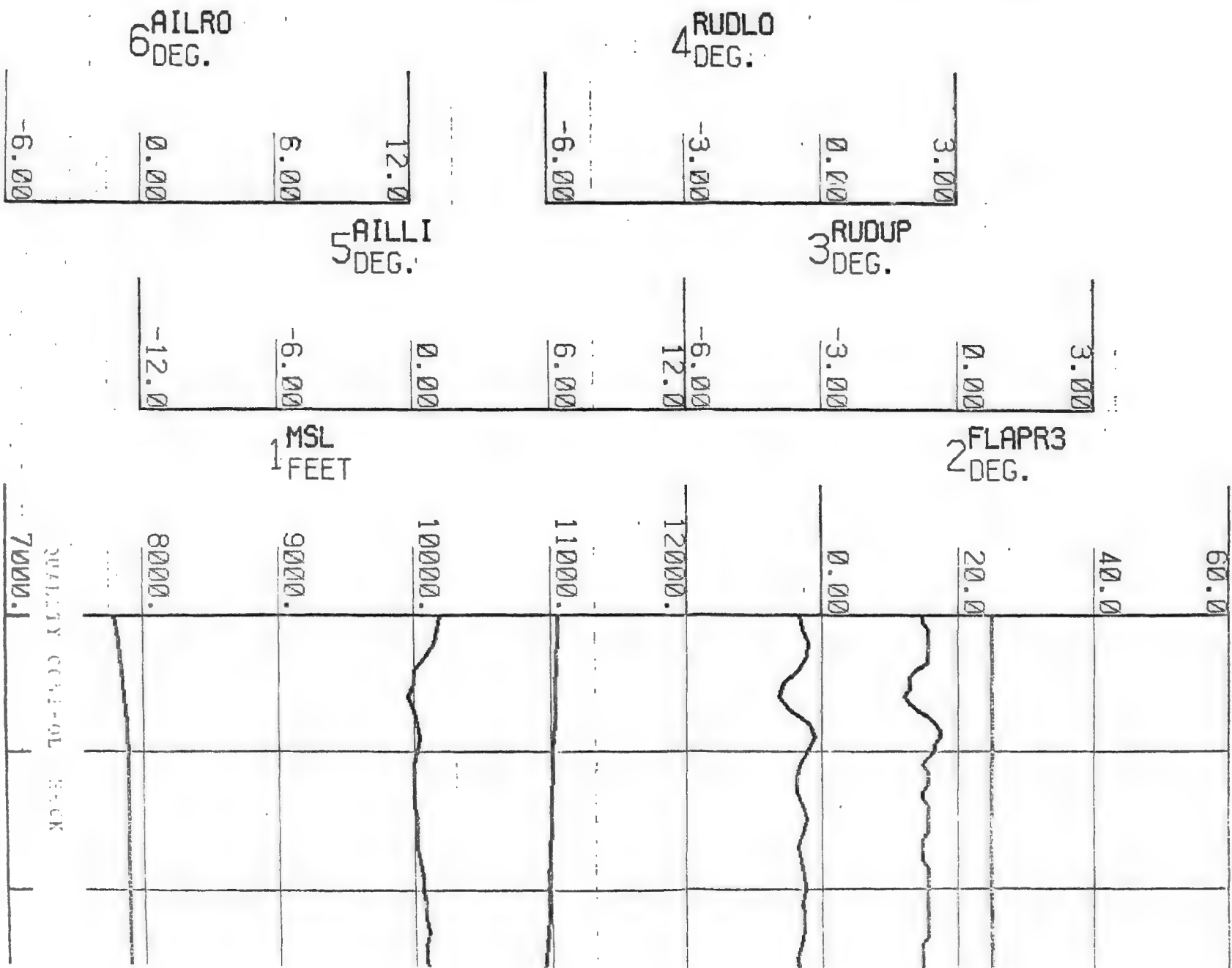
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0033 A thru E

QUALITY CONTROL CHECK

0033

WLF 51E



# CHAIN H1FLINL3 UL



11:37:30

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11:38:30

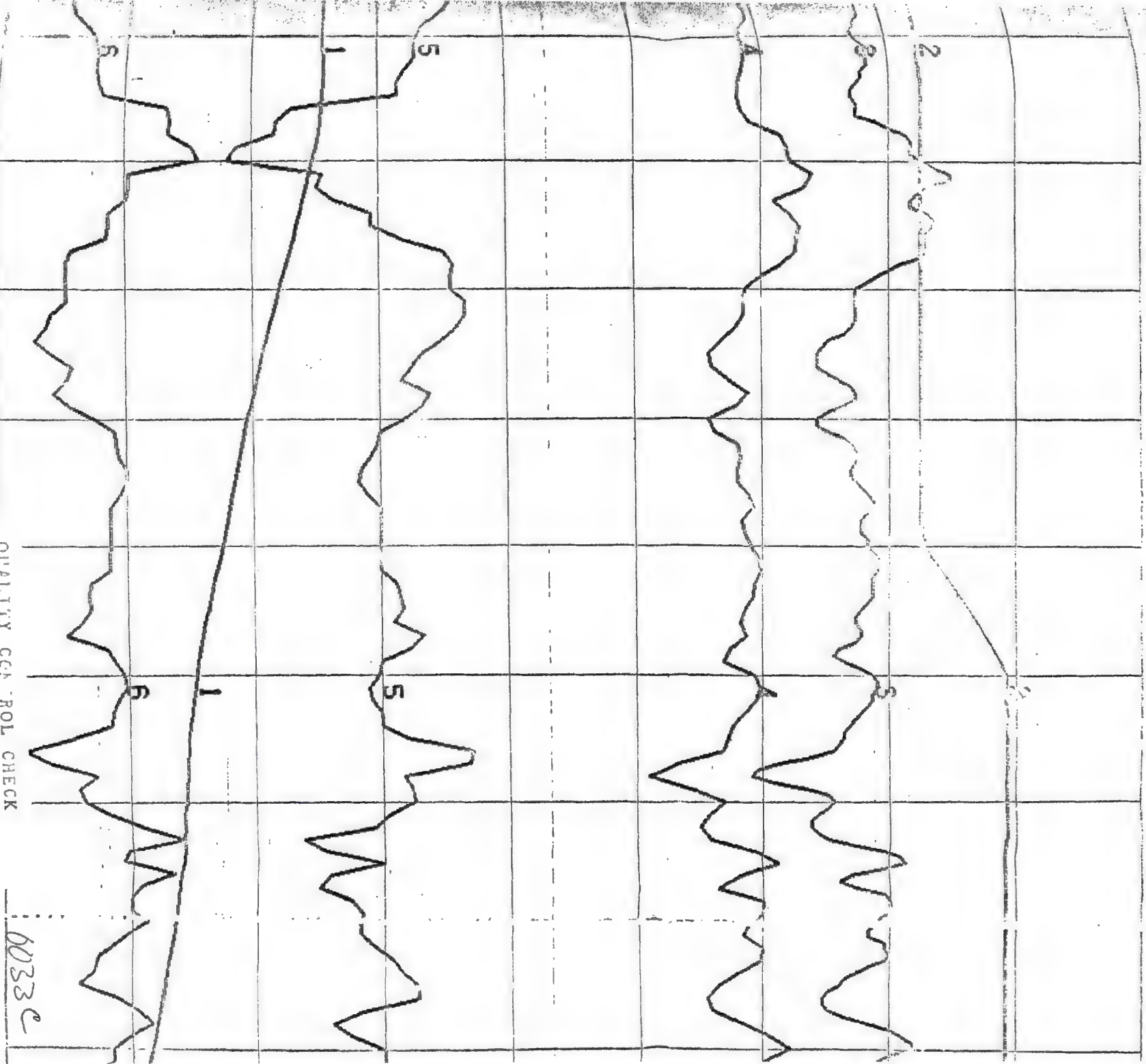
11:38:40

00336

RE IN THE FIELD

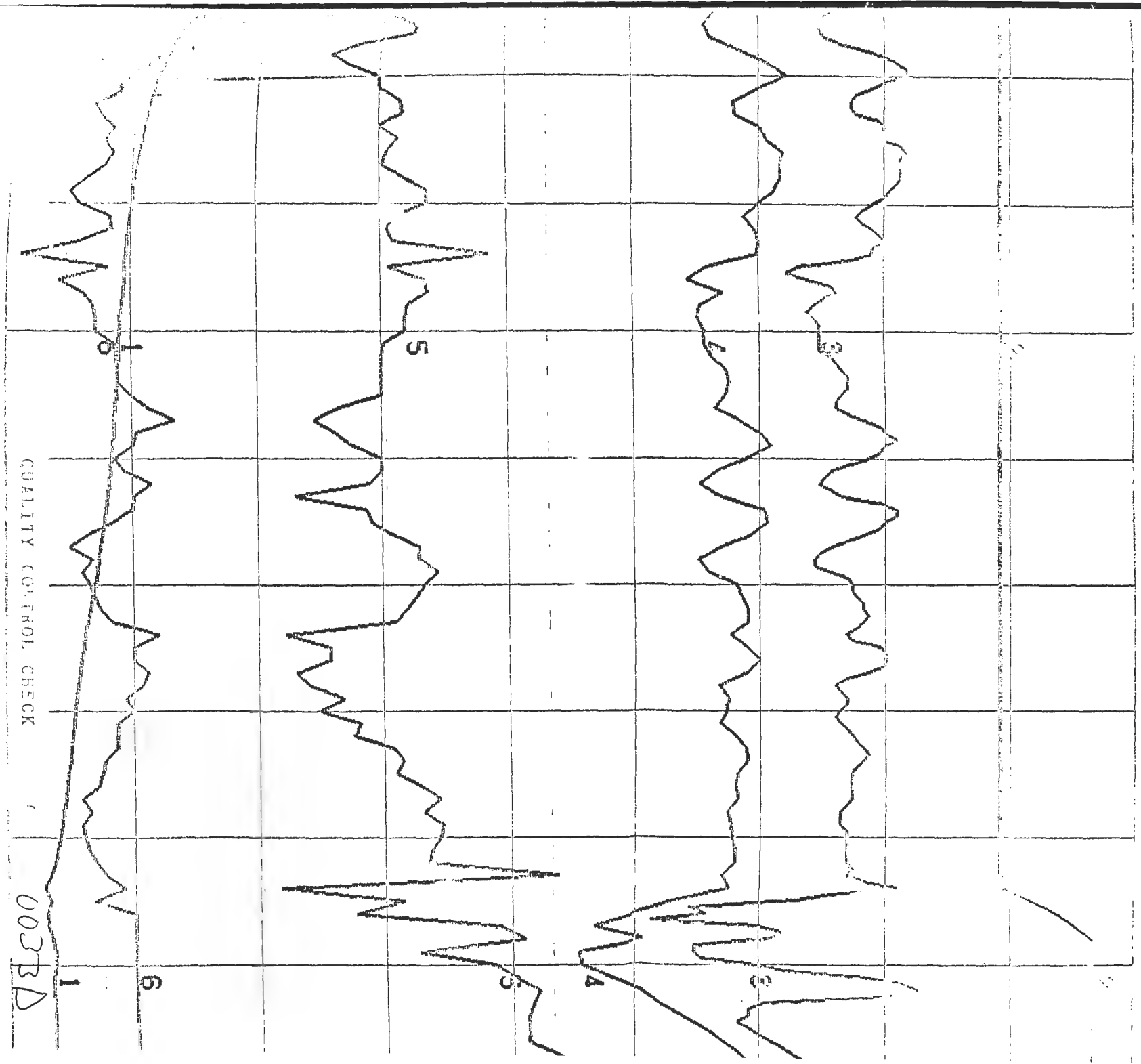
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11:39:50  
11:40:00

QUALITY CCA ROL CHECK



0033c

UCL 31-001

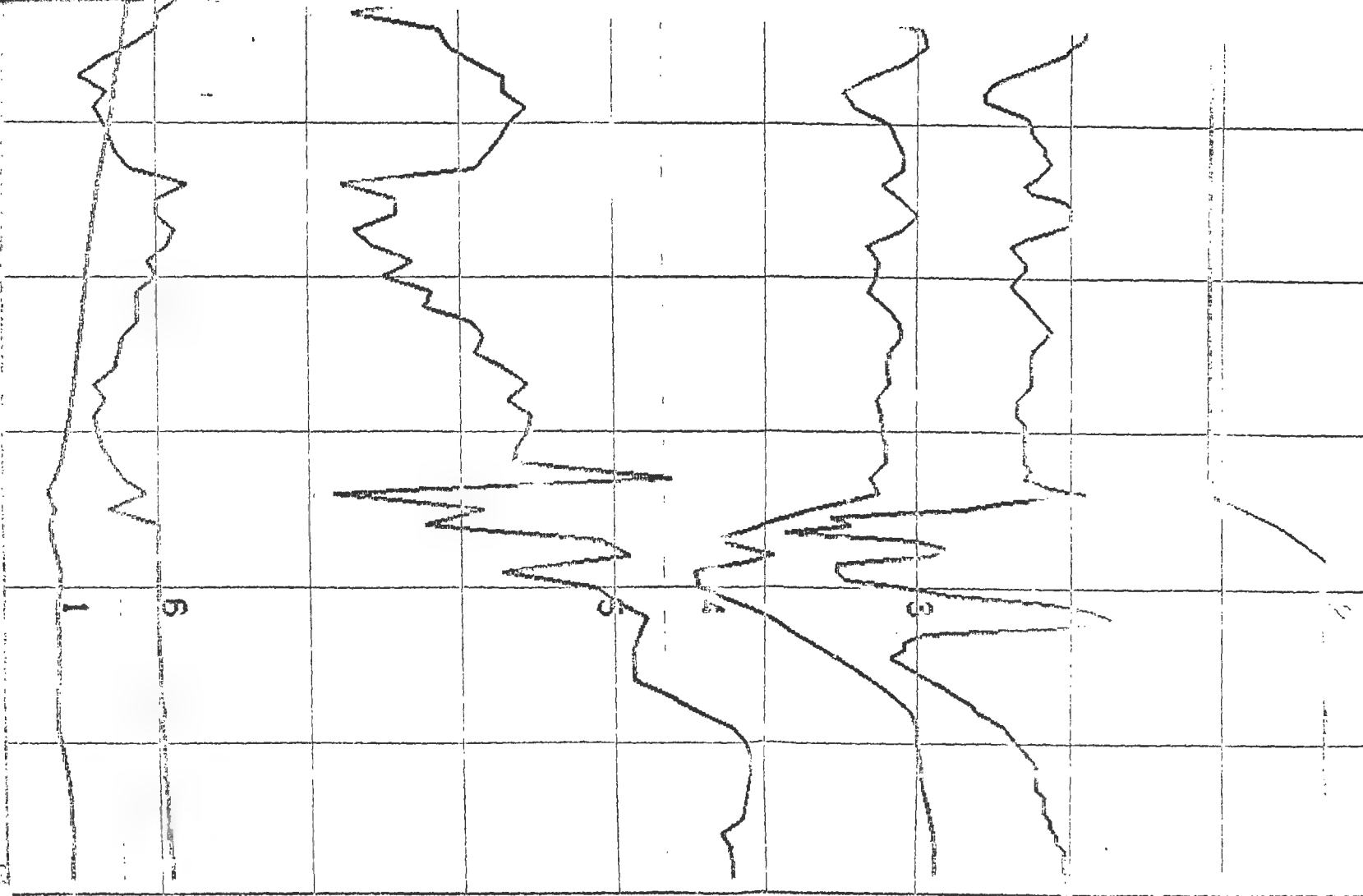


QUALITY CONTROL CHECK

003BD

31-OCT-79

11:40:40  
11:40:50  
11:41:00  
11:41:10  
11:41:20  
11:41:30



# NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY  
WASHINGTON, D. C.

QUALITY CONTROL CHECK

U033E

LOCATION: MEXICO CITY  
DATE: 31-OCT-79  
TIME: 00:10  
OPERATOR: WESTERN AIRLINES

RECORDER M/M: SUNDSTRAND 573A  
RECORDER S/N: 2567  
INST. NO.: 005 80-80-003  
REPORT NO.:

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of

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requires 5<sup>4</sup> frames

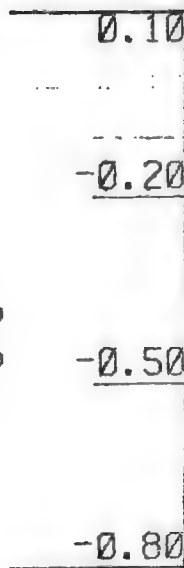
page # 0034 A thru E

QUALITY CONTROL CHECK

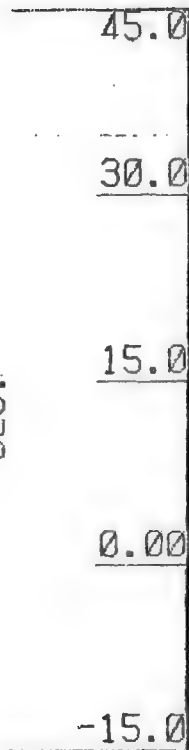
0034

WESTIL

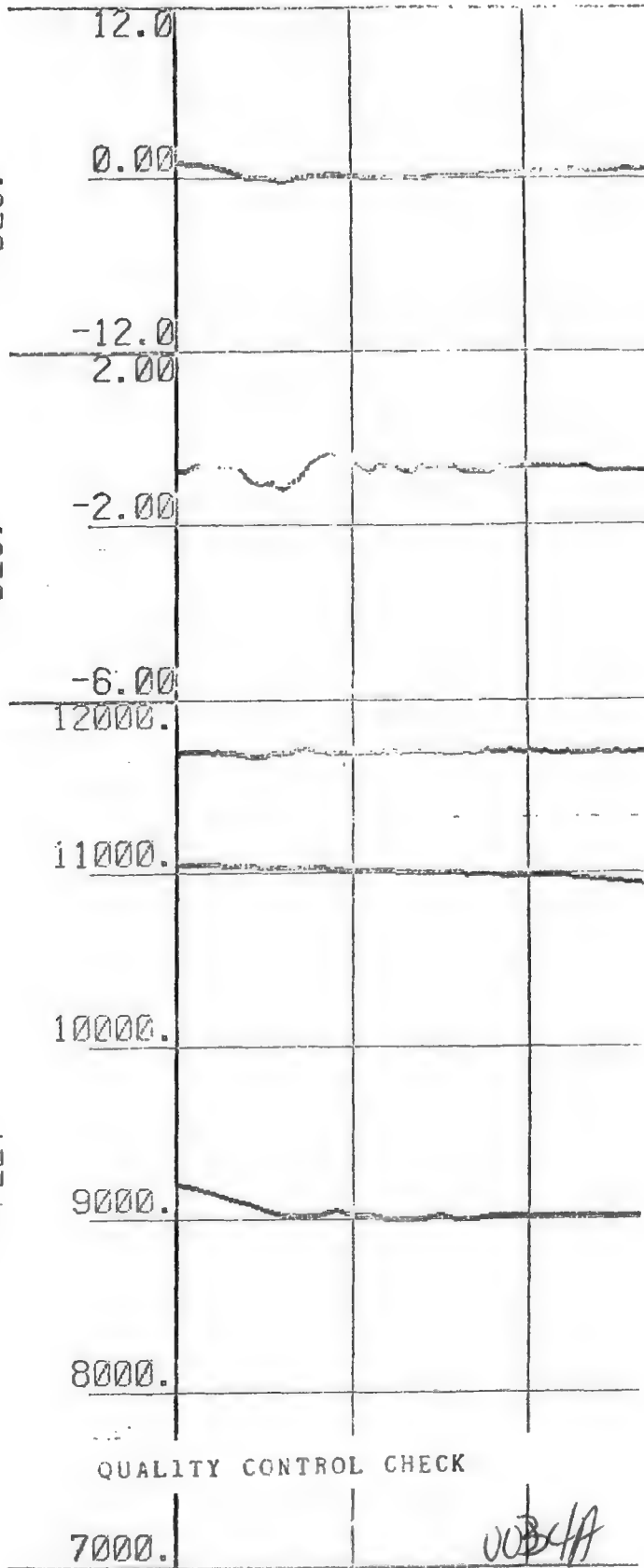
LATG  
3G'S



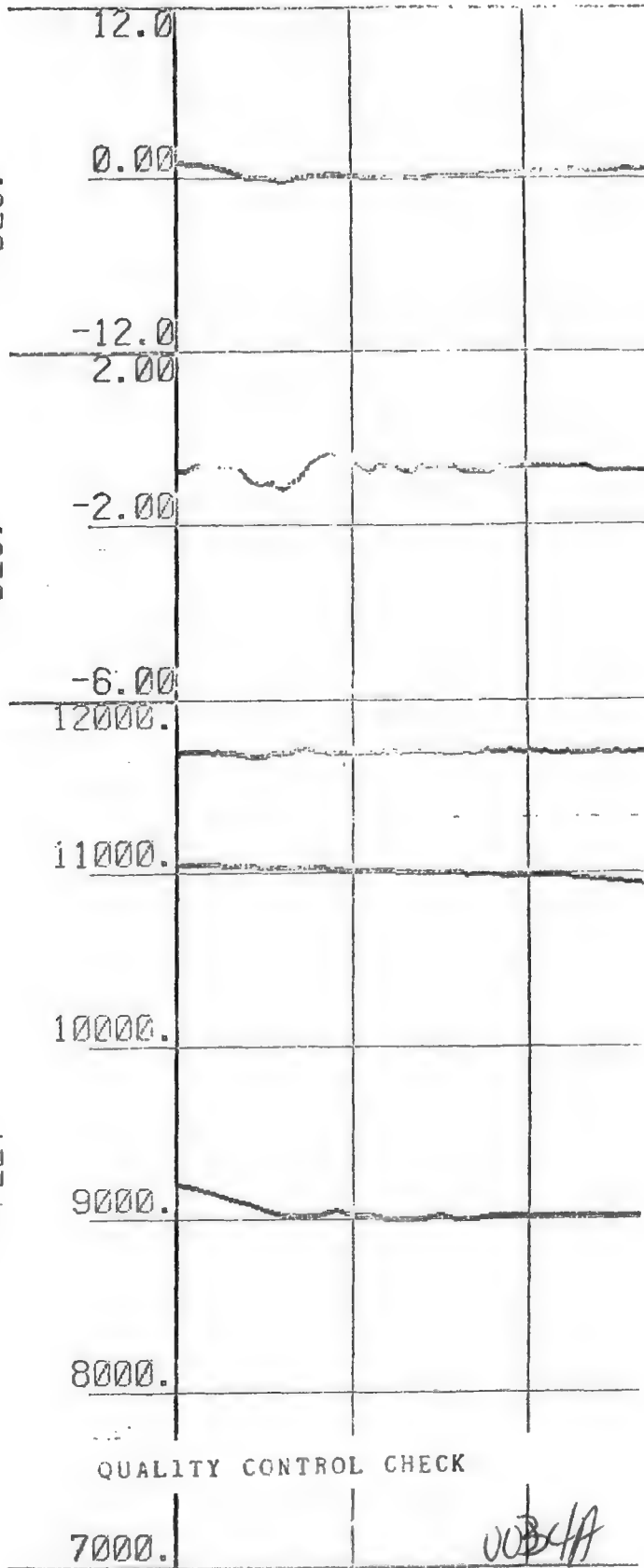
ROLL  
2 DEG.



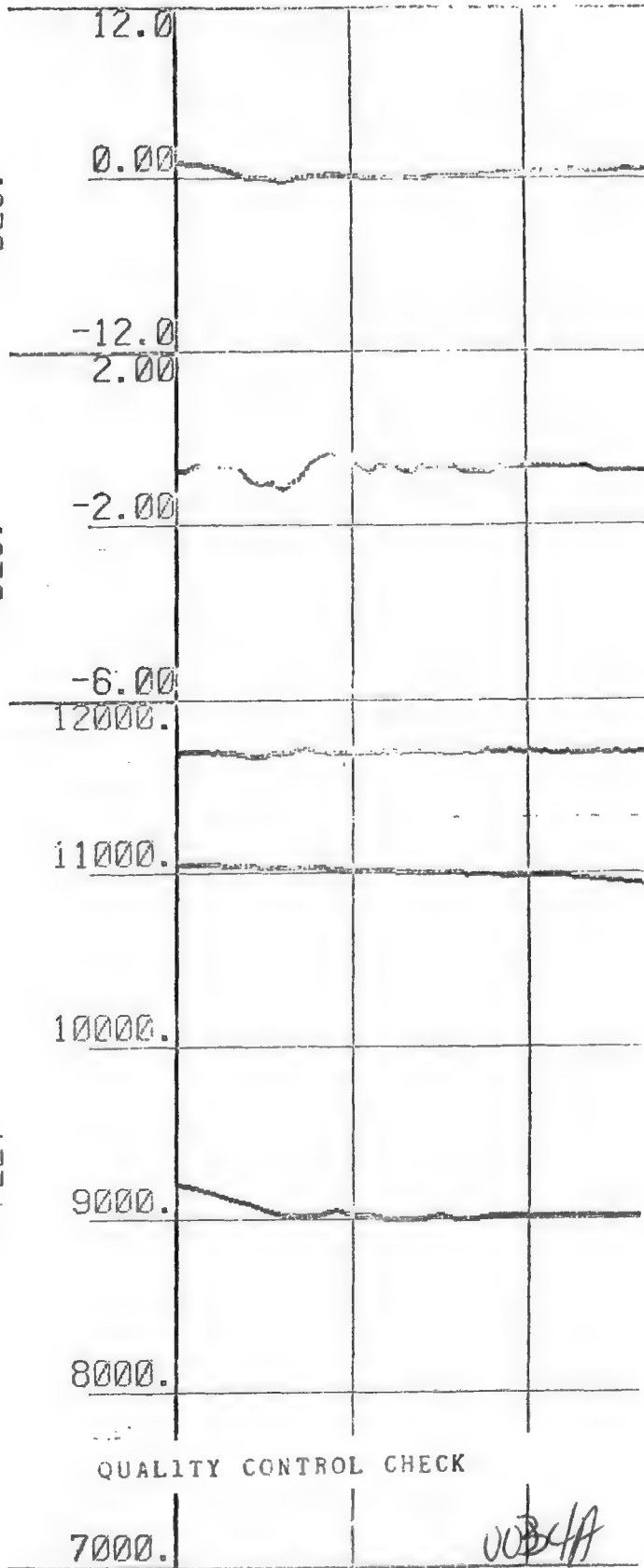
MSL  
1 FEET



RUDUP  
4 DEG.



5 AILLI  
5 DEG.



QUALITY CONTROL CHECK

0034A

1:37:00

1:37:10

1:37:20

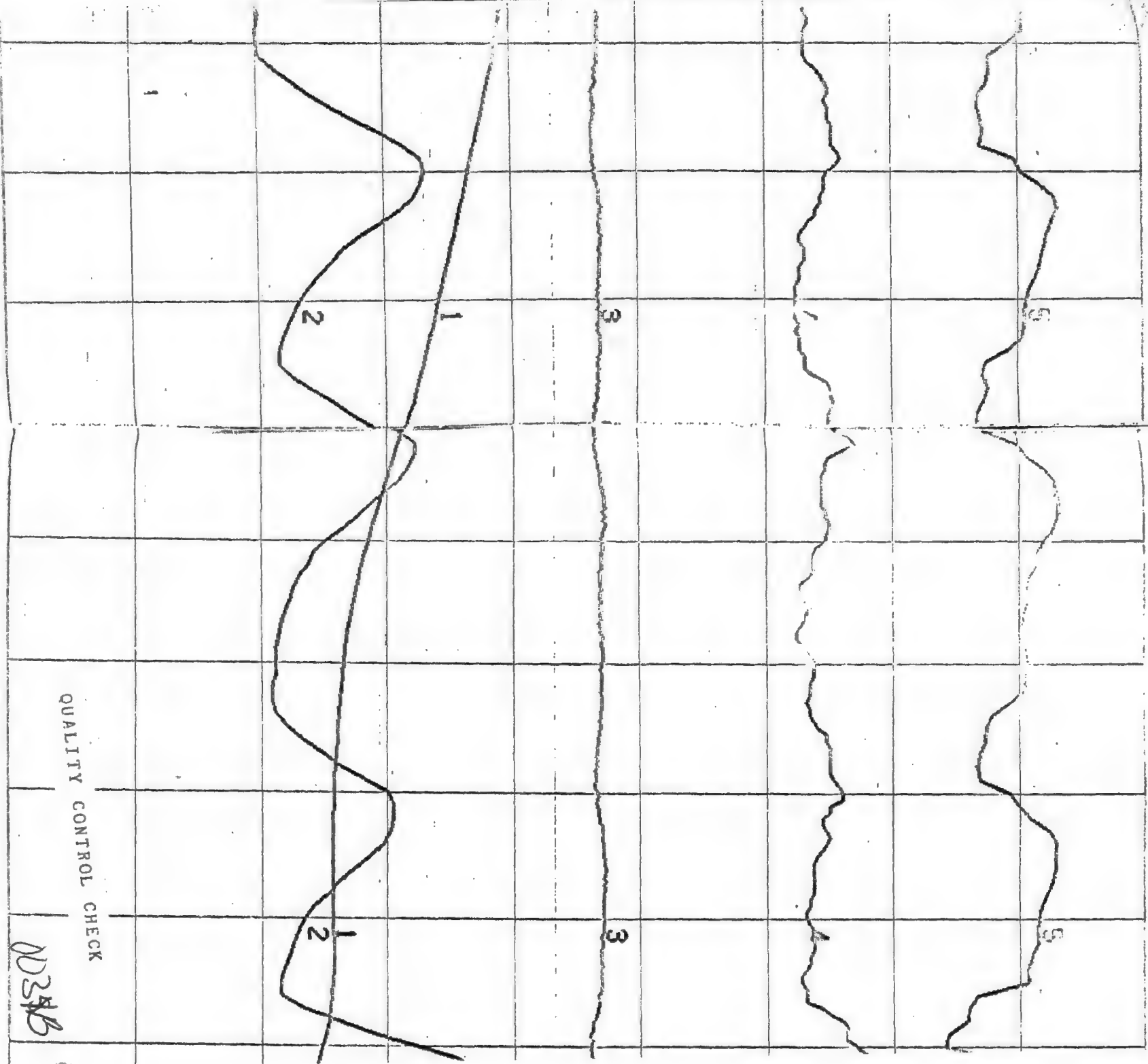


# FIN HILF LINI 500

11:37:30  
11:37:40  
11:37:50  
11:38:00  
11:38:10  
11:38:20  
11:38:30  
11:38:40  
11:38:50

QUALITY CONTROL CHECK

003415



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1:39:00

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1:39:20

1:39:30

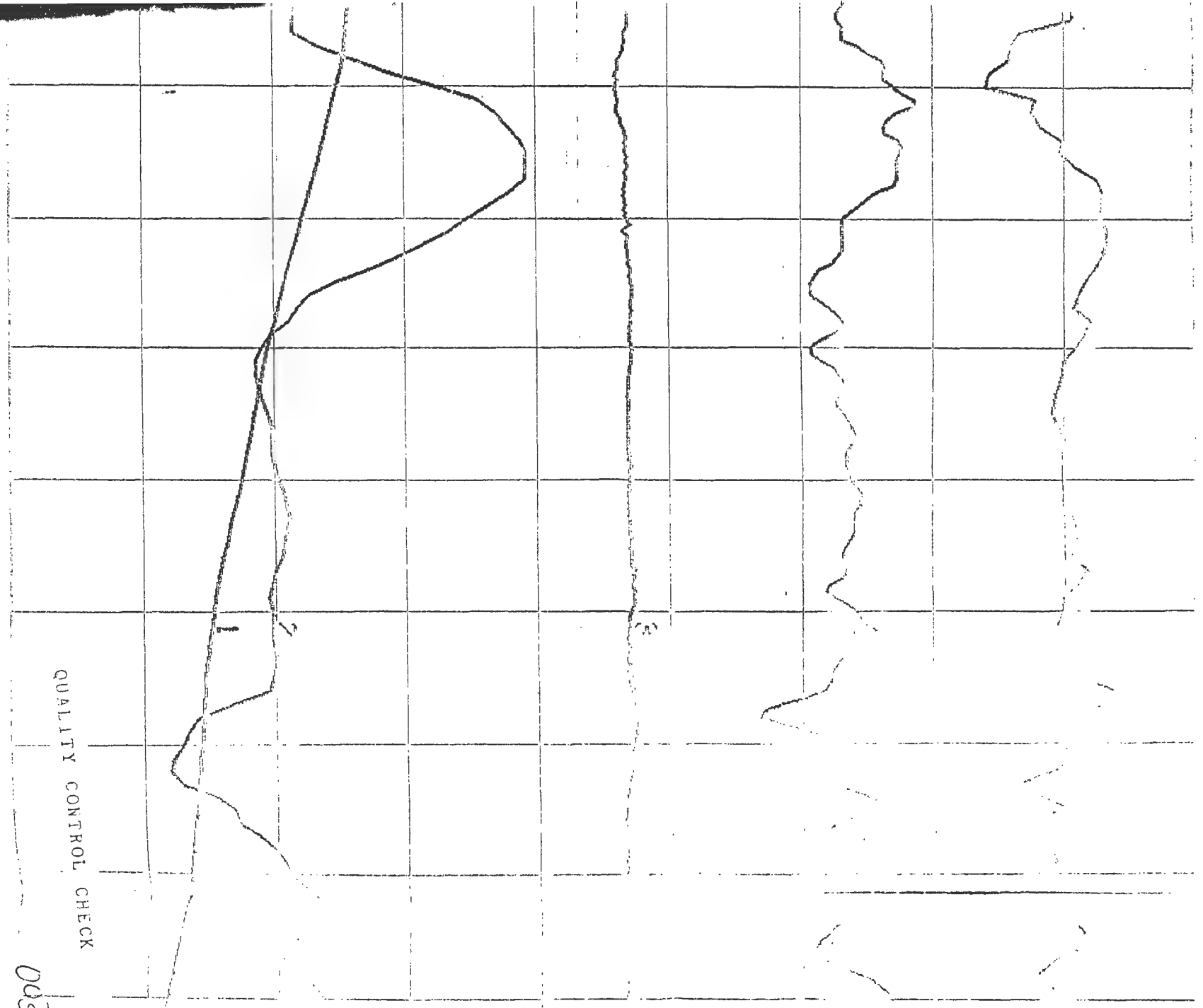
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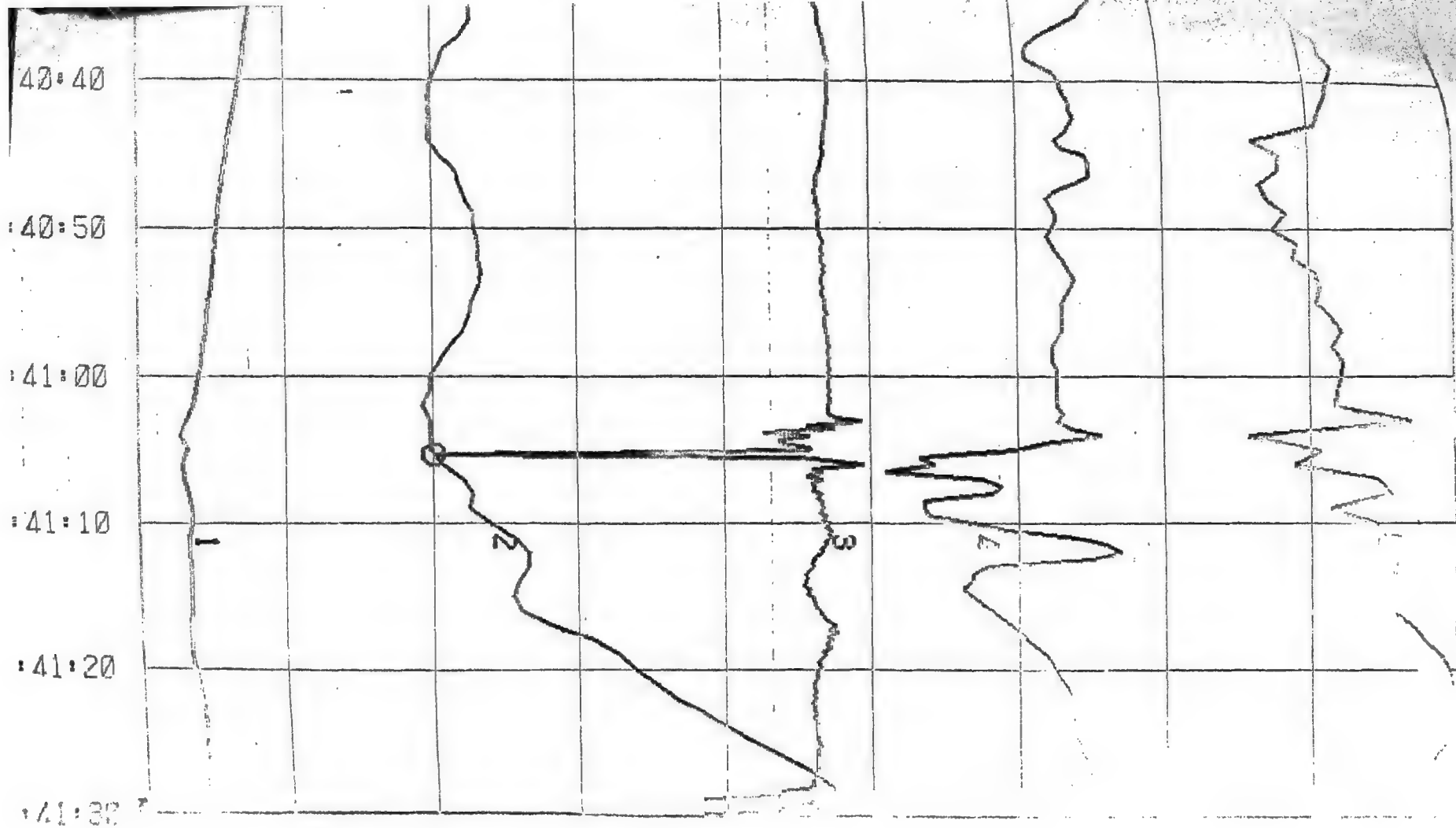
QUALITY CONTROL CHECK

00340



31-OCT-78





31-OCT-79

NATIONAL TRANSPORTATION SAFETY BOARD  
BUREAU OF TECHNOLOGY  
WASHINGTON, D. C.

QUALITY CONTROL CHECK

LOCATION: MEXICO CITY  
DATE : 31-OCT-79  
AIRCRAFT: DC-10  
OPERATOR: WESTERN AIRLINES  
FLT. NO.: 2605

RECORDER M/M: SUNDSTRAND  
RECORDER S/N: 2567  
IDENT. NO. : UCA 80-RA-003  
REPORT NO. :

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7034

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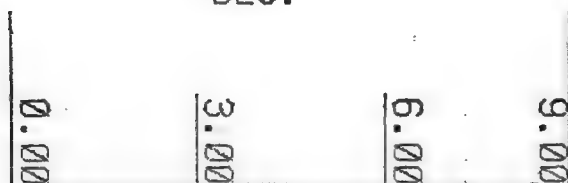
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QUALITY CONTROL CHECK

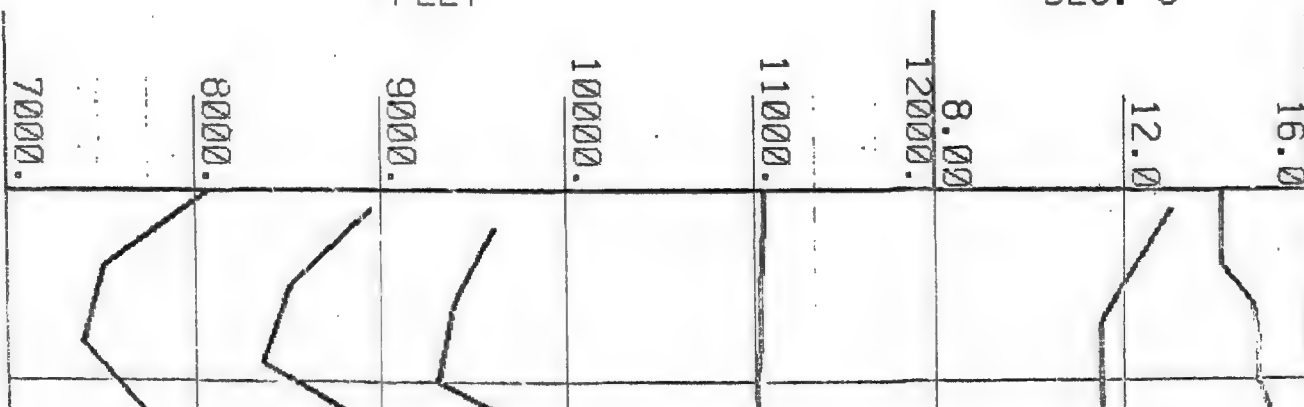
0035

ME

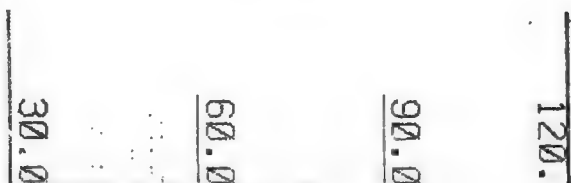
6 STAB  
DEG.



5 TAT  
DEG. C



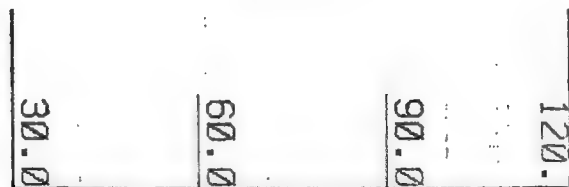
1 MSL  
FEET



2 N1ENG1



3 N1ENG2



4 N1ENG3

QUALITY CONTROL CHECK

11:37:00

00354

11:37:10

# 11:37:20 11:37:30 11:37:40 11:37:50 11:38:00 11:38:10 11:38:20 11:38:30 QUALITY CONTROL CHECK

11:37:20

11:37:30

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11:37:50

11:38:00

11:38:10

11:38:20

11:38:30

06358

QUALITY CONTROL CHECK



UNIVERSITY OF CALIFORNIA

11,38,40

11:38:50

11:39:00

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11:39:20

11:39:30

11:39:40

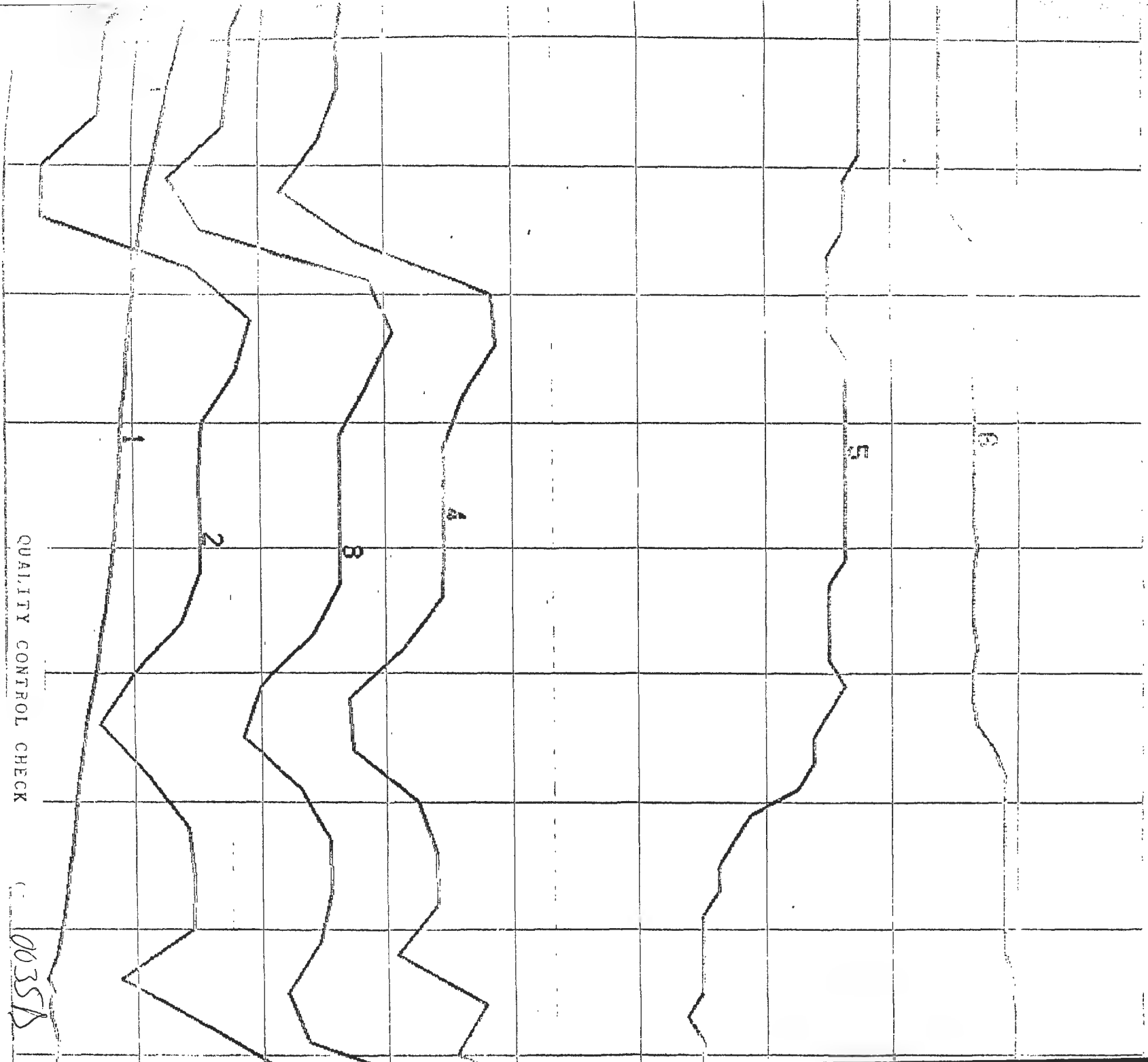
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QUALITY CONTROL CHECK

20350

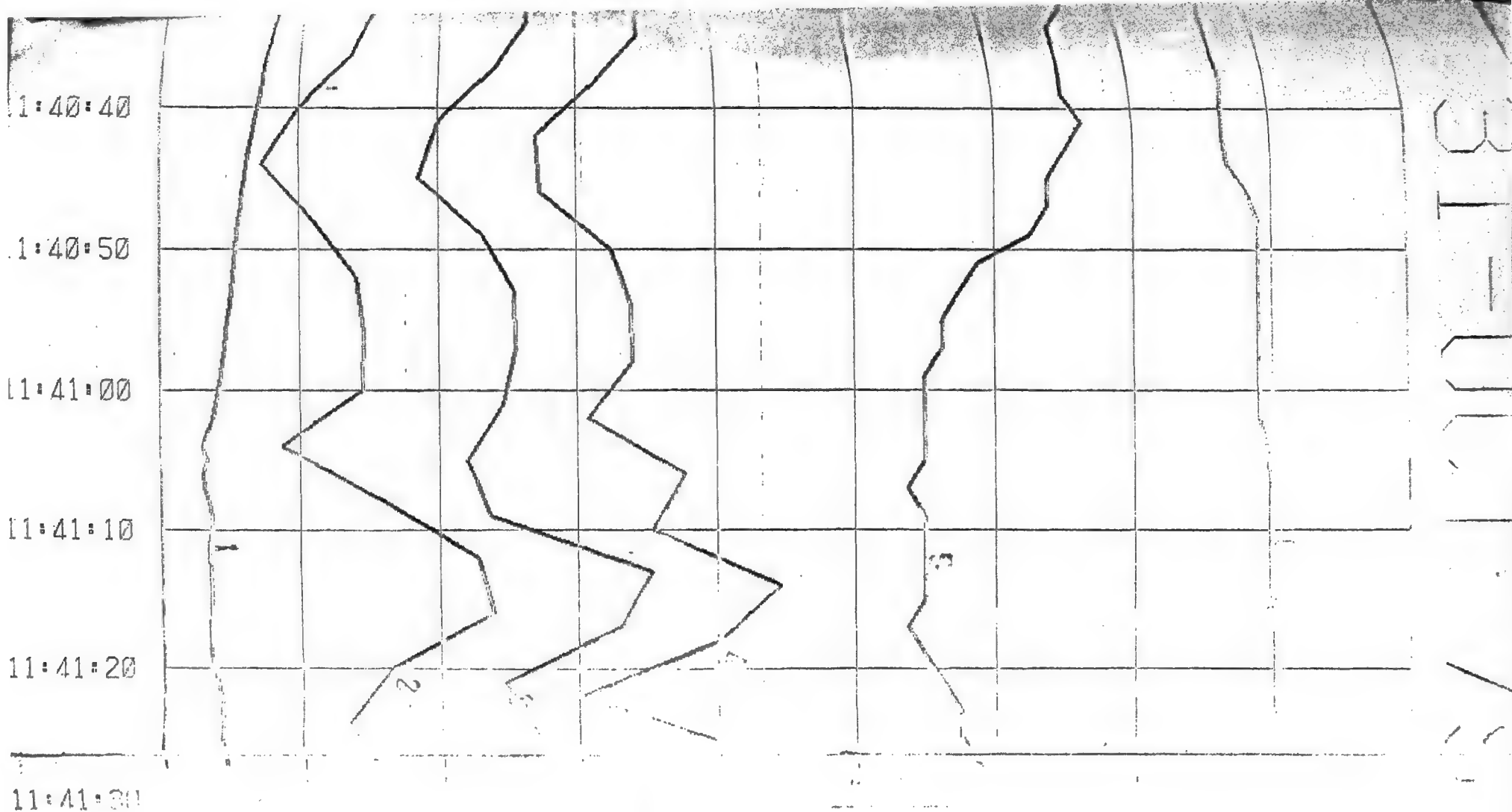


31-001



QUALITY CONTROL CHECK

0035A



QUALITY CONTROL CHECK

LOCATION: MEXICO CITY  
 DATE: 31-OCT-79  
 AIRCRAFT: DC-10  
 OPERATOR: WESTERN AIRLINES

RECORDER M/M: SUNDSTRAND 573A  
 RECORDER S/N: 2567  
 IDENT. NO.: DCA 80-88-003  
 REPORT NO.:

0036

QUALITY CONTROL CHECK

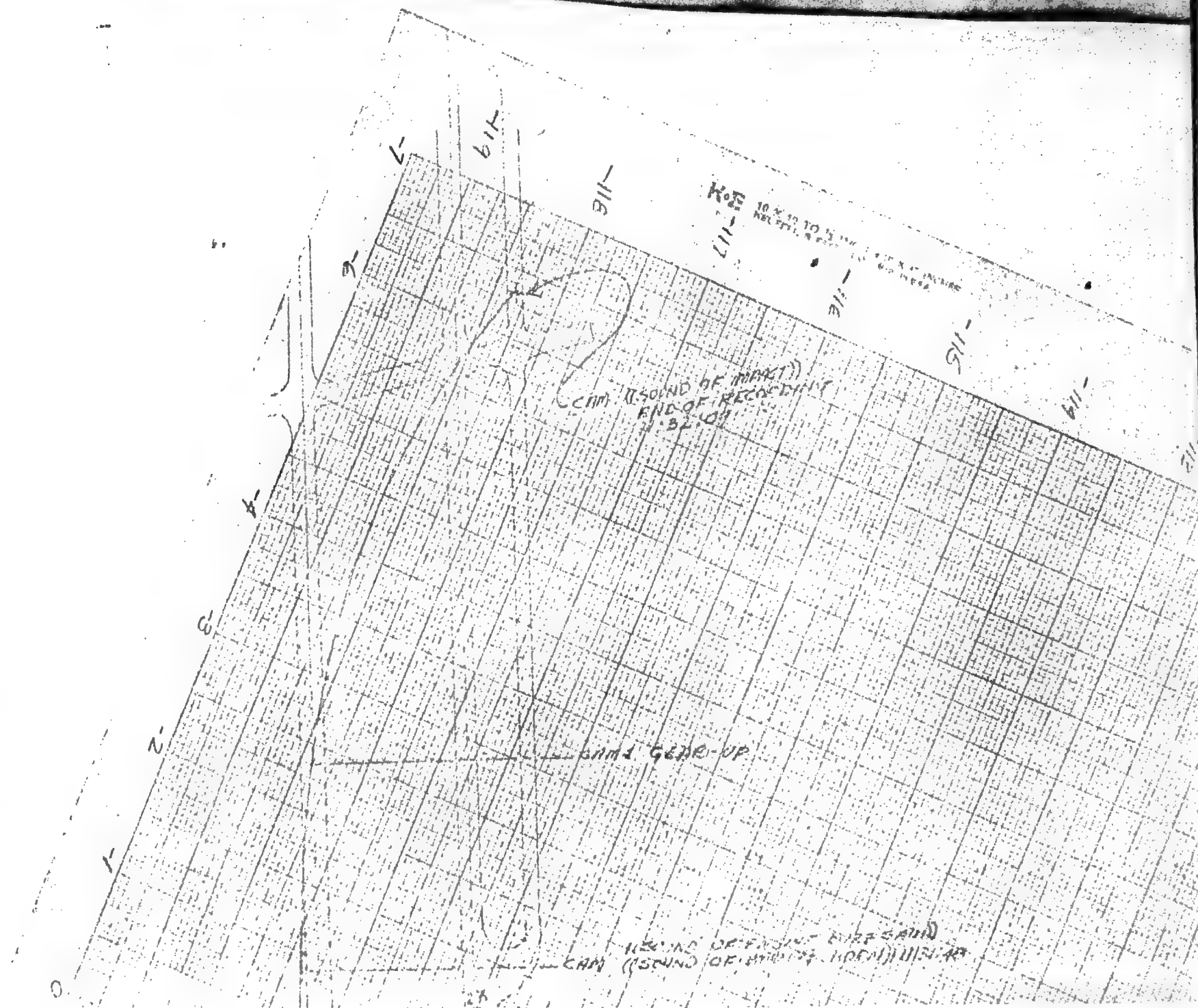
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A thru G

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of

0036A



QUALITY CONTROL CHECK

003608

CAMP 1 (SOUND OF MOUNTAIN) 11/3/42

CAMP 2 (SOUND OF MOUNTAIN) 11/3/42

CAMP 3 (SOUND OF MOUNTAIN) 11/3/42

CAMP 4 (SOUND OF MOUNTAIN) 11/3/42

CAMP 5 (SOUND OF MOUNTAIN) 11/3/42

CAMP 6 (SOUND OF MOUNTAIN) 11/3/42

CAMP 7 (SOUND OF MOUNTAIN) 11/3/42

CAMP 8 (SOUND OF MOUNTAIN) 11/3/42

CAMP 9 (SOUND OF MOUNTAIN) 11/3/42

CAMP 10 (SOUND OF MOUNTAIN) 11/3/42

DATE NOV 9, 1979

QUALITY CONTROL CHECK

00360

THE 12 LIP OVERHEAD LIGHTS ARE ON  
MINWAY 23 LEFT AND THAT  
CONWAY IS CLOSED TO TRAFFIC  
11:21:17

IS NEGATIVE [CONWAY] ARE THERE  
ANY OTHER LIGHTS (ON LEFT)  
11:21:17

CAMS FLARE THIRTY FIVE THIRTY FIVE  
GREEN 11:31:06

CAM 1 SET THE M-50 PROXIMITY HEADING  
FIFTEEN MARK 11:30:59

CAM 1 FLARE CROSSED THE THRESHOLD A/E TO  
A/E 11:30:52

CAM 1 GRABBY FLARE SLOTT 11:30:48

CAM 1 SOUND OF INCREASING POWER 11:30:48

CAM 1 GRABBY FLARE SLOTT 11:30:47

CAM 1 FLARE CROSSED THE THRESHOLD A/E TO  
A/E 11:30:52

CAM 1 GOD DAMNED TEXAS (ISN'T) WORKING  
TO GOOD 11:30:42

RDO 2 JUST A LITTLE BIT 11:30:38

CAM 1 YEA WE KNOW 11:30:37

QUALITY CONTROL CHECK

00361D



0036E



QUALITY CONTROL CHECK

0036f

W07

4.5M TO END OF RUNWAY

((SOUND OF MARKER BEACON. TIME))  
11:28:39

CHIRP IT JUST DIED \* \* INFO OF

LEGEND  
CHIRP - CRACK  
BEO - RUMBLE  
1. RICE  
2. WACE  
3. VOICE  
P. TONGUE  
SWE. MENCL  
\* UNKNT  
( ) GUEST  
(H) EDITOR  
NOTE: ALL THE  
GREEN  
IN BOX

00346

QUALITY CONTROL CHECK

1001

1.5M TO END OF RUNWAY

(SOURCE OF MARKER BEACON (ME))

00012  
1.5M TO END OF RUNWAY

QUALITY CONTROL CHECK

12

GA DFDL very good  
845 hrs some but ok

0037

11/9/79

Good AQA

WESTERN DC-10  
Mexico City  
31-OCT-79  
PART 5 OF 5

POSITION	SLAT
MSB L30	φ φ
TRANSIT	φ T
TAKEOFF	T φ
CRUISE	T T
LAND	T T

φ T NOT COMPIED  
φ φ PERFORM DATA  
T φ FAIL FLAG  
T T NEGATIVE DATA

Considered as a part:

ALL OF PARAMETERS LIST THIS PASS  
REGULATING GROUP OF PASS PARAMETERS

PARAMETER 1  
PARAMETER 2  
PARAMETER 3  
PARAMETER 4  
PARAMETER 5  
PARAMETER 6  
PARAMETER 7  
PARAMETER 8  
PARAMETER 9  
PARAMETER 10  
PARAMETER 11  
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PARAMETER 99  
PARAMETER 100

TPID DATE LEG

S FRAME LAPSE GWT FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

1291.	01:25 11:33	0	0	0	0	1	0	1	0	1	0
1292.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1293.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1294.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1295.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1296.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1297.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1298.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1299.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1300.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1301.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1302.	01:26 11:33	0	0	0	0	1	0	1	0	1	0
1303.	01:26 11:34	0	0	0	0	1	0	1	0	1	0
1304.	01:26 11:34	0	0	0	0	1	0	1	0	1	0
1305.	01:26 11:34	0	0	0	0	1	0	1	0	1	0

SLAT  
IN  
CRUISE  
POSITION

71 QUALITY CONTROL CHECK

0038

TRIP DATE CRR

S FRANK RAPSE G41 FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

1306.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1307.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1308.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1309.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1310.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1311.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1312.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1313.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1314.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1315.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1316.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1317.	01:27	11:34	0	0	0	0	1	0	1	0	1	0
1318.	01:27	11:35	0	0	0	0	1	0	1	0	1	0
1319.	01:27	11:35	0	0	0	0	1	0	1	0	1	0
1320.	01:27	11:35	0	0	0	0	1	0	1	0	1	0

CRUISE

QUALITY CONTROL CHECK

70

0039

TIME DATE LEG

S F 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

TIME	DATE	LEG	FL33	FL43	FL53	FL63	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
1321.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1322.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1323.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1324.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1325.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1326.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1327.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1328.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1329.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1330.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1331.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1332.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1333.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1334.	01:25	11:35	0	0	0	0	1	0	1	0	1	0
1335.	01:25	11:35	0	0	0	0	1	0	1	0	1	0

CRUISE

↑ = SLATS IN TRANSIT

↓ SLATS IN "TAKEOFF" POSITION

QUALITY CONTROL CHECK

0040



PAGE

TRIP	DATE	LEG
1	10/10/68	1
2	10/11/68	2
3	10/12/68	3
4	10/13/68	4
5	10/14/68	5
6	10/15/68	6
7	10/16/68	7
8	10/17/68	8
9	10/18/68	9
10	10/19/68	10
11	10/20/68	11
12	10/21/68	12
13	10/22/68	13
14	10/23/68	14
15	10/24/68	15
16	10/25/68	16
17	10/26/68	17
18	10/27/68	18
19	10/28/68	19
20	10/29/68	20
21	10/30/68	21
22	10/31/68	22
23	11/01/68	23
24	11/02/68	24
25	11/03/68	25
26	11/04/68	26
27	11/05/68	27
28	11/06/68	28
29	11/07/68	29
30	11/08/68	30
31	11/09/68	31
32	11/10/68	32
33	11/11/68	33
34	11/12/68	34
35	11/13/68	35
36	11/14/68	36
37	11/15/68	37
38	11/16/68	38
39	11/17/68	39
40	11/18/68	40
41	11/19/68	41
42	11/20/68	42
43	11/21/68	43
44	11/22/68	44
45	11/23/68	45
46	11/24/68	46
47	11/25/68	47
48	11/26/68	48
49	11/27/68	49
50	11/28/68	50
51	11/29/68	51
52	11/30/68	52
53	12/01/68	53
54	12/02/68	54
55	12/03/68	55
56	12/04/68	56
57	12/05/68	57
58	12/06/68	58
59	12/07/68	59
60	12/08/68	60
61	12/09/68	61
62	12/10/68	62
63	12/11/68	63
64	12/12/68	64
65	12/13/68	65
66	12/14/68	66
67	12/15/68	67
68	12/16/68	68
69	12/17/68	69
70	12/18/68	70
71	12/19/68	71
72	12/20/68	72
73	12/21/68	73
74	12/22/68	74
75	12/23/68	75
76	12/24/68	76
77	12/25/68	77
78	12/26/68	78
79	12/27/68	79
80	12/28/68	80
81	12/29/68	81
82	12/30/68	82
83	12/31/68	83
84	1/01/69	84
85	1/02/69	85
86	1/03/69	86
87	1/04/69	87
88	1/05/69	88
89	1/06/69	89
90	1/07/69	90
91	1/08/69	91
92	1/09/69	92
93	1/10/69	93
94	1/11/69	94
95	1/12/69	95
96	1/13/69	96
97	1/14/69	97
98	1/15/69	98
99	1/16/69	99
100	1/17/69	100
101	1/18/69	101
102	1/19/69	102
103	1/20/69	103
104	1/21/69	104
105	1/22/69	105
106	1/23/69	106
107	1/24/69	107
108	1/25/69	108
109	1/26/69	109
110	1/27/69	110

S FRAME LAPSE. GMT FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

[illegible]

↓ "TAKEOFF"  
POSITION

604H

QUALITY CONTROL CHECK

48

TIME	DATE	LEG	S	FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
1351.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1352.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1353.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1354.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1355.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1356.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1357.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1358.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1359.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1360.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1361.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1362.	01:30	11:37	0			0	0	0	0	0	0	0	0	0	0	0
1363.	01:30	11:38	0			0	0	0	0	0	0	0	0	0	0	0
1364.	01:30	11:38	0			0	0	0	0	0	0	0	0	0	0	0
1365.	01:30	11:38	0			0	0	0	0	0	0	0	0	0	0	0

0042

QUALITY CONTROL CHECK

67



TRIP DATE LEG

S. FRAME LAPSE GMT FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

1366.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1367.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1368.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1369.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1370.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1371.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1372.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1373.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1374.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1375.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1376.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1377.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1378.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1379.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0
1380.	01:31	11:34	0	0	0	0	0	0	0	0	0	0	0

0043

QUALITY CONTROL CHECK

66

TRIP DATE DEG

S FRAME CAUSE GAT FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

1381.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1382.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1383.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1384.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1385.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1386.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1387.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1388.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1389.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1390.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1391.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1392.	01:32 11:39	0	0	0	0	0	1	0	1	0	1	0
1393.	01:32 11:40	0	0	0	0	0	1	0	1	0	1	0
1394.	01:32 11:40	0	0	0	0	0	1	0	1	0	1	0
1395.	01:32 11:40	0	0	0	0	0	1	0	1	0	1	0

SLATS IN  
LANDING  
CONFIGURATION



0044

QUALITY CONTROL CHECK

69

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

PAGE 11

TRIP DATE LEW

S FRAME LAPSE GMT FLAG3 FLAG4 FLAG5 FLAG6 SL4601 SL4602 SL4611 SL4617 SL4601 SL4602

1396. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1397. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1398. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1399. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1400. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1401. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1402. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1403. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1404. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1405. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1406. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1407. 01:33 11:40	0	0	0	0	1	1	1	1	1	1
1408. 01:33 11:41	0	0	0	0	1	1	1	1	1	1
1409. 01:33 11:41	0	0	0	0	1	1	1	1	1	1
1410. 01:33 11:41	0	0	0	0	1	1	1	1	1	1

QUALITY CONTROL CHECK

61

0045

TRIP DATE LEG

S FRAME LAPSE GAT FLAG3 FLAG4 FLAG5 FLAG6 SL4L01 SL4L02 SL2L11 SL2L12 SL4R01 SL4R02

1411.	01:34	11:41	0	0	0	0	1	1	1	1	1	1
1412.	01:34	11:41	0	0	0	0	1	1	1	1	1	1
1413.	01:34	11:41	0	0	0	0	1	1	1	1	1	1
1414.	01:34	11:41	0	0	0	0	1	1	1	1	1	1
1415.	01:34	:41	0	0	0	0	1	1	1	1	1	1
1416.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1417.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1418.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1419.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1420.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1421.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1422.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1423.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1424.	01:34	20:46	0	0	1	1	1	0	0	0	0	0
1425.	01:34	20:47	0	0	1	1	1	0	0	0	0	0

↓ 2 1/2 HOUR  
OLD  
DATA

0046

QUALITY CONTROL CHECK

63

NAME LAST FIRST AITC ALT ASL IAS MKAD PITCH ROLL NIENG1 NIENG2 NIENG3 TAT STAB FLAPHS

1411	01:34	11:41	4070	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1412	01:34	11:41	4070	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1413	01:34	11:41	4070	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1414	01:34	11:41	4070	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1415	01:34	11:41	4070	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1416	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1417	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1418	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1419	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1420	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1421	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1422	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1423	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1424	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087
1425	01:34	20:40	32705	7082	7347	117.75	241.52	9.492	9.84	98.20	105.88	10.000	5.942	53.087

IF NOT CROPPED OUT,  
DATA MAY BE OK  
2516.4  
DATA

QUALITY CONTROL CHECK

OK

TRIP DATE LEG

S	FRAME	LAPSE	GAT	ALTC	ALTF	ALI	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAB	FLAPR3
1396.	01:33	11:40 <sup>12</sup>	4096.	3524.0	7720.	7979.	137.75	242.58	5.625	1.76	88.01				14.000	4.952	38.321
				3513.0	7709.	7968.	138.50	242.58	5.625	1.76							
				3504.0	7700.	7959.	139.50	242.58	5.625	1.76							
				3498.0	7694.	7953.	140.50	242.58	5.625	1.76							
1397.	01:33	11:40 <sup>16</sup>	4096.	3541.0	7697.	7916.	141.00	242.58	5.625	1.76	84.35				14.500	4.952	38.321
				3534.0	7690.	7919.	141.75	241.87	4.570	-2.46							
				3571.0	7667.	7926.	141.75	241.17	4.570	-3.87							
				3548.0	7654.	7913.	141.75	240.12	5.273	-5.63							
1398.	01:33	11:40 <sup>20</sup>	4096.	3550.0	7646.	7905.	142.00	239.41	5.625	-6.33	76.20				14.500	4.952	38.321
				3547.0	7643.	7902.	142.00	238.30	5.273	-7.38							
				3542.0	7638.	7897.	141.75	237.30	5.273	-7.73							
				3537.0	7633.	7892.	141.25	236.25	4.922	-7.73							
1399.	01:33	11:40 <sup>24</sup>	4096.	3531.0	7627.	7886.	140.75	235.20	4.570	-7.38	75.44				14.500	4.952	38.321
				3523.0	7619.	7878.	140.50	234.14	4.922	-7.38							
				3515.0	7611.	7870.	140.00	233.09	4.922	-7.38							
				3504.0	7605.	7864.	140.00	232.03	4.922	-5.63							
1400.	01:33	11:40 <sup>28</sup>	4096.	3503.0	7599.	7858.	139.75	231.68	4.219	-2.46	75.59				14.500	4.952	38.321
				3493.0	7589.	7848.	139.50	231.33	3.867	-0.35							
				3482.0	7578.	7841.	139.25	230.98	3.867	-0.35							
				3471.0	7567.	7826.	139.00	230.98	5.164	-0.35							
1401.	01:33	11:40 <sup>31</sup>	4096.	3460.0	7555.	7815.	139.25	230.98	5.164	-0.35	75.64				14.500	4.952	38.321
				3450.0	7546.	7805.	139.50	231.33	5.164	-0.35							
				3439.0	7535.	7794.	140.00	231.33	5.164	-0.35							
				3424.0	7520.	7779.	140.50	231.68	4.461	3.16							
1402.	01:33	11:40 <sup>36</sup>	4096.	3405.0	7501.	7760.	141.25	232.03	4.22	4.22	71.19				14.000	4.952	38.321
				3388.0	7484.	7743.	141.50	232.73	4.461	3.16							
				3372.0	7468.	7727.	142.25	233.09	2.461	1.41							
				3360.0	7456.	7715.	142.75	233.09	1.758	0.70							
1403.	01:33	11:40 <sup>40</sup>	4096.	3346.0	7442.	7701.	142.75	233.09	1.758	0.00	60.12				14.000	4.952	38.321
				3326.0	7422.	7681.	142.00	233.09	2.109	-0.35							
				3305.0	7401.	7669.	142.00	232.73	2.461	-0.35							
				3286.0	7382.	7641.	142.00	232.38	3.164	-0.35							
1404.	01:33	11:40 <sup>44</sup>	4096.	3267.0	7363.	7622.	141.25	232.03	3.867	-0.35	51.97				14.000	4.952	38.321
				3252.0	7348.	7607.	141.25	231.68	4.219	0.70							
				3239.0	7335.	7594.	140.75	231.68	4.570	2.81							
				3223.0	7319.	7578.	140.00	231.68	4.922	2.81							
1405.	01:33	11:40 <sup>48</sup>	4096.	3208.0	7304.	7563.	139.25	232.03	4.922	3.52	62.87				13.500	5.694	38.321
				3196.0	7292.	7551.	138.75	232.73	4.922	4.57							
				3184.0	7280.	7539.	138.00	233.44	4.922	4.57							
				3174.0	7270.	7529.	137.75	234.14	4.570	4.92							
1406.	01:33	11:40 <sup>52</sup>	4096.	3164.0	7260.	7519.	137.75	234.84	4.219	4.92	72.42				11.500	5.694	38.321
				3154.0	7250.	7509.	137.50	235.20	3.867	5.27							
				3141.0	7237.	7496.	137.25	235.90	3.867	4.92							
				3126.0	7222.	7481.	136.75	236.60	3.867	4.22							
1407.	01:33	11:40 <sup>56</sup>	4096.	3114.0	7210.	7469.	136.75	236.95	3.867	3.87	73.80				10.500	5.694	38.321
				3102.0	7198.	7457.	137.00	237.30	3.867	3.16							
				3086.0	7182.	7441.	137.50	237.66	3.867	1.76							
				3072.0	7168.	7427.	137.50	238.01	3.516	0.70							
1408.	01:33	11:41 <sup>00</sup>	4096.	3055.0	7151.	7410.	137.50	238.01	3.164	-0.35	73.39				10.000	5.694	38.321
				3035.0	7131.	7390.	137.50	238.01	2.812	-0.35							
				3012.0	7108.	7367.	137.25	237.66	2.461	-1.05							
				2976.0	7072.	7331.	136.25	237.30	0.000	-0.35							
1409.	01:33	11:41 <sup>04</sup>	4096.	2932.0	7024.	7287.	134.00	236.60	3.516	-0.35	56.13				10.000	5.859	38.673
				2917.0	7005.	7267.	133.50	235.55	9.141	-0.35							
				2905.0	7041.	7300.	129.00	235.55	11.602	1.05							
				2952.0	7048.	7307.	127.75	236.25	10.547	3.16							
1410.	01:33	11:41 <sup>08</sup>	4096.	2948.0	7042.	7341.	130.00	237.30	8.086	4.22	78.28				9.500	5.942	53.087
				3006.0	7102.	7361.	131.50	238.01	8.086	3.87							
				3000.0	7095.	7355.	131.00	239.41	9.844	5.94							
				2987.0	7083.	7342.	130.25	240.82	10.848	8.44							

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TIME DATE LOG

S	FRAME	CLAPSE	G-1	ALTC	ALTE	ALT	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAI	STAB	FLAPR
1341	01:32	11:33 <sup>11</sup>	6142	401.0	8053	8412	158.25	245.04	2.461	-2.11	52.70			15.000	4.209	24.982
				441.0	8033	8492	158.00	244.69	2.109	-1.76		60.20				
				422.0	8014	8473	157.75	244.34	1.406	-1.41						
				403.0	8005	8454	157.50	243.98	1.406	-0.70			60.20			
1342	01:32	11:33 <sup>11</sup>	6142	377.0	8509	8828	157.50	243.98	1.758	-0.35	65.24			15.500	4.209	24.962
				358.0	8500	8809	157.75	243.98	2.461	-0.35		66.80				
				339.0	8520	8785	158.00	243.98	2.461	-0.35			61.79			
				320.0	8510	8769	158.25	243.98	1.758	0.00				15.000	4.209	24.962
1343	01:32	11:33 <sup>11</sup>	6142	298.0	8490	8745	158.50	244.34	1.055	0.35	64.25			15.000	4.126	25.313
				279.0	8480	8727	158.50	244.34	0.703	1.05		65.04				
				260.0	8442	8701	158.75	244.34	0.703	1.41			57.16			
				241.0	8413	8674	158.50	244.69	0.703	1.76				15.000	4.126	28.126
1344	01:32	11:33 <sup>11</sup>	6142	197.0	8389	8648	158.50	244.69	0.703	1.76	56.66			15.000	4.126	30.938
				178.0	8360	8625	158.25	244.69	0.352	1.05		57.48				
				159.0	8344	8603	158.25	245.04	1.055	0.70			52.70			
				140.0	8318	8577	157.75	245.04	2.461	0.00				15.500	4.126	33.751
1345	01:32	11:33 <sup>11</sup>	6142	115.0	8297	8556	157.50	244.69	1.164	-0.35	61.44			15.500	4.126	38.212
				96.0	8271	8532	157.00	244.69	1.164	-0.70		69.11				
				77.0	8245	8504	156.75	244.34	2.461	-0.35			68.61			
				58.0	8220	8478	156.25	243.98	2.109	-0.35				15.500	4.126	38.321
1346	01:32	11:33 <sup>11</sup>	6142	42.0	8227	8466	155.00	243.63	2.109	-0.35	74.33			15.000	4.126	38.321
				23.0	8213	8472	154.25	243.63	3.516	0.00			72.28			
				4.0	8204	8463	154.00	243.28	3.516	-0.35				15.500	4.126	38.673
1347	01:32	11:33 <sup>11</sup>	6142	2.0	8200	8459	154.00	243.28	3.867	-0.70	73.01			15.000	4.126	38.673
				408.0	8194	8453	153.75	242.93	4.219	-4.92		74.62				
				408.0	8180	8445	152.75	242.23	3.867	-8.79			66.83			
1348	01:32	11:33 <sup>11</sup>	4096	408.0	8181	8440	152.00	241.17	3.516	-9.84				15.000	4.126	38.673
				408.0	8176	8435	151.25	240.12	3.516	-10.55	65.83			15.000	4.126	38.673
				408.0	8165	8424	150.00	238.71	3.867	-11.60		66.47				
				408.0	8157	8416	149.00	236.95	4.219	-11.95			58.59			
1349	01:32	11:33 <sup>11</sup>	4096	408.0	8153	8412	148.00	235.55	3.516	-10.90				15.500	4.126	38.673
				408.0	8144	8407	147.25	234.49	2.461	-7.03	56.81			15.000	4.126	38.321
				408.0	8139	8398	146.00	233.79	2.461	-4.92		56.25				
				408.0	8125	8364	144.75	233.09	2.812	-4.57			49.92			
1350	01:32	11:33 <sup>11</sup>	4096	408.0	8110	8309	143.75	232.73	3.516	-2.11				15.000	4.126	38.321
				408.0	8101	8300	143.50	232.73	3.164	-0.35	51.39			15.000	4.126	38.321
				408.0	8091	8250	143.00	232.38	2.461	0.70		52.38				
				408.0	8081	8340	142.50	232.73	2.109	1.41			48.90			
1351	01:32	11:33 <sup>11</sup>	4096	408.0	8067	8330	142.00	233.09	1.758	2.81				15.000	4.126	38.321
				408.0	8049	8308	141.50	233.79	2.109	4.22	51.80			15.000	4.126	38.321
				408.0	8032	8291	141.50	234.14	2.461	4.57		52.68				
				408.0	8014	8273	141.25	234.84	2.461	4.22			49.34			
1352	01:32	11:33 <sup>11</sup>	4096	408.0	7998	8257	141.25	235.20	2.109	3.16				15.000	4.126	38.321
				408.0	7981	8240	141.00	235.55	1.758	1.41	51.88			15.000	4.126	38.321
				408.0	7964	8223	141.00	235.90	1.758	0.70			51.59			
				408.0	7944	8203	141.25	235.90	1.406	1.41				15.000	4.126	38.321
1353	01:32	11:40 <sup>00</sup>	4096	408.0	7924	8183	141.50	236.25	1.406	3.87				15.000	4.126	38.321
				408.0	7899	8156	141.00	236.60	2.109	4.92	38.61			15.000	4.126	38.321
				408.0	7875	8134	140.25	237.30	2.812	4.92		38.32		14.500	4.126	38.321
				408.0	7853	8112	139.50	236.01	3.516	6.22			35.30			
1354	01:32	11:40 <sup>00</sup>	4096	408.0	7837	8090	139.00	238.71	3.867	3.52				14.500	4.126	38.321
				408.0	7822	8081	138.75	239.41	3.867	3.16	38.67			14.500	4.457	38.321
				408.0	7807	8060	138.00	239.77	4.219	3.52				14.500	4.952	38.321
				408.0	7791	8050	137.25	240.47	4.570	3.87			53.38			
1355	01:32	11:40 <sup>00</sup>	4096	408.0	7777	8030	136.75	240.82	5.273	4.22				14.000	4.952	38.321
				408.0	7762	8021	136.25	241.52	5.273	4.57	73.68			14.000	4.952	38.321
				408.0	7753	8012	136.25	241.87	4.922	4.22			86.31			
				408.0	7740	8005	137.00	242.23	4.922	3.16			85.28			
				408.0	7733	7992	137.50	242.58	5.273	1.76				14.000		

QUALITY CONTROL CHECK

6049

TRIP DATE LOG

FRAME	LAPSE	GAT	ALTC	ALTE	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAR	FLAPR3
1366.	01:31	11:34 <sup>12</sup>	8192.	1352.0	9544.	9881.	150.50	185.62	2.109	5.62	35.27					
				1338.0	9520.	9779.	150.25	185.62	2.111	4.57		36.56		13.000	3.549	24.962
				1304.0	9496.	9755.	150.00	185.98	2.112	3.52			34.54	13.500	3.466	24.962
1367.	01:31	11:34 <sup>16</sup>	8192.	1266.0	9478.	9737.	150.75	186.33	3.164	3.52						
				1244.0	9458.	9717.	150.00	186.68	3.167	2.46	38.94	43.39		13.000	3.549	24.962
				1234.0	9441.	9700.	150.00	186.68	3.167	2.11			50.30	13.500	3.466	24.962
1368.	01:31	11:34 <sup>20</sup>	8192.	1222.0	9425.	9681.	150.25	187.03	3.167	1.76	63.52	66.86		13.000	3.466	24.962
				1212.0	9414.	9673.	150.25	187.38	4.219	1.41				13.500	3.549	24.962
				1200.0	9404.	9663.	150.00	187.38	4.219	1.76		66.15		13.500	3.549	24.962
				1187.0	9392.	9651.	150.75	187.38	4.922	1.41			62.40	13.500	3.549	24.962
1369.	01:31	11:34 <sup>24</sup>	8192.	1177.0	9379.	9638.	150.75	187.73	5.273	1.41	66.15	69.43		13.500	3.549	24.962
				1169.0	9361.	9620.	150.50	188.09	5.273	1.76				13.500	3.549	24.962
				1161.0	9353.	9612.	150.50	188.09	5.625	3.16				13.500	3.549	24.962
				1155.0	9347.	9606.	150.00	188.44	5.625	4.92				13.500	3.549	24.962
1370.	01:31	11:34 <sup>28</sup>	8192.	1147.0	9337.	9598.	150.75	189.14	5.625	7.38				13.500	3.549	24.962
				1134.0	9331.	9590.	150.25	190.20	5.977	4.49	70.87	75.53		13.000	3.466	24.962
				1127.0	9325.	9584.	150.00	191.60	5.977	12.30			71.63	13.500	3.466	24.962
				1124.0	9319.	9578.	154.75	193.01	6.328	15.12						
1371.	01:31	11:34 <sup>32</sup>	8192.	1120.0	9316.	9575.	154.75	194.77	6.328	15.82						
				1119.0	9312.	9571.	154.75	196.87	6.680	15.82	76.29	79.98		13.500	3.549	24.962
				1118.0	9311.	9570.	154.75	198.63	6.680	15.47						
				1118.0	9310.	9569.	154.75	200.39	7.031	14.77			75.15	13.500	3.796	24.962
1372.	01:31	11:34 <sup>36</sup>	8192.	1117.0	9310.	9569.	154.75	201.80	7.031	13.01				13.500	3.879	24.962
				1120.0	9312.	9571.	154.75	203.20	7.383	11.25	78.43	81.71		13.500	3.879	24.962
				1119.0	9311.	9570.	154.75	204.26	7.383	9.49						
				1119.0	9311.	9570.	154.75	204.46	7.383	8.09			77.05	13.500	3.879	24.962
1373.	01:31	11:34 <sup>40</sup>	8192.	1121.0	9313.	9572.	154.75	205.66	7.383	6.33				13.500	3.879	24.962
				1122.0	9313.	9572.	154.50	206.02	7.383	5.27	79.98	83.67		13.500	3.879	24.962
				1120.0	9312.	9571.	154.25	206.37	7.031	4.57						
				1120.0	9312.	9571.	154.25	206.72	5.977	3.87			79.22	13.500	3.549	24.610
1374.	01:31	11:34 <sup>44</sup>	8192.	1127.0	9319.	9578.	154.25	207.07	4.570	3.52				13.500	3.219	24.962
				1127.0	9319.	9578.	154.50	207.07	3.516	2.81	81.94	84.96		13.500	3.219	24.962
				1121.0	9313.	9572.	154.75	207.42	3.164	2.46						
				1111.0	9303.	9562.	150.00	207.77	2.461	2.46			79.42	13.500	3.136	24.962
1375.	01:31	11:34 <sup>48</sup>	8192.	1101.0	9293.	9552.	150.25	208.12	1.758	4.92				13.000	3.136	24.962
				1084.0	9280.	9539.	150.25	208.83	1.406	9.14	76.05	75.50		13.000	3.136	24.962
				1064.0	9258.	9515.	150.00	209.88	1.055	13.36			66.45	14.000	3.136	24.962
				1042.0	9234.	9491.	150.75	211.29	0.703	18.28				13.500	3.136	24.962
1376.	01:31	11:34 <sup>52</sup>	8192.	1013.0	9205.	9461.	150.75	213.75	0.703	23.20						
				985.0	9177.	9438.	160.50	216.56	0.703	25.31	57.92	51.42		14.000	3.136	24.962
				958.0	9150.	9409.	161.25	219.73	0.703	26.72			41.69	14.000	3.466	24.962
				936.0	9128.	9387.	162.00	222.89	0.703	28.12				14.000	3.879	24.962
1377.	01:31	11:34 <sup>56</sup>	8192.	911.0	9103.	9387.	162.00	225.70	0.352	28.83						
				886.0	9078.	9337.	162.25	228.87	0.703	28.83	38.09	38.12		14.000	4.291	24.962
				854.0	9050.	9309.	162.25	231.68	1.055	28.83				14.500	4.374	24.962
				830.0	9027.	9281.	162.25	234.49	1.055	27.07				14.500	4.291	24.962
1378.	01:31	11:34 <sup>00</sup>	8192.	801.0	8993.	9252.	162.50	236.95	1.055	24.61				14.500	4.209	24.962
				773.0	8965.	9224.	162.50	239.41	1.055	22.15	35.89	37.18		14.500	4.209	24.962
				746.0	8938.	9197.	162.50	241.17	1.055	20.04				14.500	4.209	24.962
				714.0	8906.	9165.	162.25	242.93	1.055	17.23			35.07	14.500	4.209	24.962
1379.	01:31	11:34 <sup>04</sup>	8192.	686.0	8878.	9137.	162.25	244.34	1.055	14.41				14.500	4.209	24.962
				659.0	8851.	9110.	161.75	245.39	1.055	10.90	35.65	37.03		15.000	4.209	24.962
				631.0	8823.	9082.	161.25	246.09	1.055	7.03				14.500	4.209	24.962
				604.0	8796.	9055.	161.00	246.45	1.055	4.22			34.95	14.500	4.209	24.962
1380.	01:31	11:34 <sup>08</sup>	8192.	579.0	8771.	9030.	160.50	246.45	1.055	2.81				14.500	4.209	24.962
				554.0	8746.	9005.	160.25	246.45	1.406	1.76	35.51	36.86		15.000	4.209	24.962
				524.0	8716.	8975.	159.50	246.09	2.104	-0.35				14.500	4.209	24.962
				501.0	8693.	8952.	159.25	245.74	2.461	-1.41						
				482.0	8674.	8933.	158.75	245.39	2.461	-2.11			35.68			

0050

QUALITY CONTROL CHECK



TRIP DATE LOG

S	FRAME	LOG	GAT	ALTC	ALIF	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAP	FLAP	
1351.	01:30	11:37 <sup>12</sup>	8192.	2555.0	10747.	11006.	169.00	141.64	3.867	0.00	0.00	52.88						
				2553.0	10745.	11004.	167.75	141.68	3.867	0.00	0.00		61.14		11.500	2.393	24.962	
				2550.0	10742.	11001.	167.50	141.68	3.867	0.00	0.00			62.72	11.000	2.558	24.962	
1352.	01:30	11:37 <sup>16</sup>	8192.	2549.0	10741.	11000.	167.00	141.68	3.867	0.35	0.00	68.82						
				2545.0	10737.	10996.	166.75	141.68	4.219	0.00	0.00		71.45		11.000	2.558	24.962	
				2538.0	10732.	10991.	166.50	141.68	4.219	0.00	0.00			66.53	11.000	2.558	24.962	
				2535.0	10728.	10987.	166.25	141.68	4.219	0.35	0.35				11.500	2.558	24.962	
1353.	01:30	11:37 <sup>20</sup>	8192.	2533.0	10725.	10984.	165.00	141.68	4.570	0.35	0.35	69.08						
				2529.0	10721.	10980.	165.50	141.68	4.570	0.35	0.35		72.36		11.000	2.558	24.962	
				2526.0	10718.	10977.	165.25	141.68	3.867	0.35	0.35			67.73	11.000	2.641	24.962	
				2525.0	10717.	10976.	165.00	141.68	3.164	0.35	0.35					2.641	24.962	
1354.	01:30	11:37 <sup>24</sup>	8192.	2520.0	10712.	10971.	164.75	142.03	2.461	0.35	0.35	71.57						
				2509.0	10701.	10960.	164.25	142.03	2.461	0.35	0.35		73.89		11.000	2.641	24.962	
				2497.0	10689.	10948.	164.00	142.03	2.109	0.35	0.35			68.85	11.000	2.641	24.962	
				2487.0	10679.	10938.	164.00	142.03	2.109	0.35	0.35					2.641	24.962	
1355.	01:30	11:37 <sup>28</sup>	8192.	2476.0	10668.	10927.	164.25	142.03	1.758	0.35	0.35	70.61						
				2464.0	10656.	10915.	165.00	142.03	1.758	0.35	0.35		71.22		11.000	2.558	24.962	
				2450.0	10642.	10901.	165.25	142.03	1.406	0.00	0.00			61.03	11.000	2.558	24.962	
				2434.0	10626.	10885.	165.25	142.03	1.406	0.00	0.00					2.558	24.962	
1356.	01:30	11:37 <sup>32</sup>	8192.	2414.0	10606.	10865.	165.50	142.03	1.406	0.35	2.11	48.46						
				2394.0	10586.	10845.	165.25	142.03	1.055	4.22	6.33		42.28		11.500	2.558	24.962	
				2373.0	10565.	10824.	164.75	142.38	1.055	4.22	6.33			37.53	11.500	2.558	24.962	
				2351.0	10543.	10802.	164.50	142.73	1.055	8.79	11.60				11.000	2.641	24.962	
1357.	01:30	11:37 <sup>36</sup>	8192.	2328.0	10520.	10779.	163.50	144.84	1.055	11.60	14.77	36.65						
				2307.0	10499.	10758.	163.00	145.90	1.055	14.77	17.23		37.47		11.500	2.641	24.962	
				2283.0	10478.	10734.	162.50	149.41	1.055	17.23	19.34			34.98	11.500	2.641	24.962	
				2258.0	10455.	10709.	162.25	149.41	1.406	19.34	19.69				11.500	3.136	24.962	
1358.	01:30	11:37 <sup>40</sup>	8192.	2233.0	10425.	10684.	162.50	151.52	1.406	19.34	19.69	35.74						
				2209.0	10401.	10660.	162.25	153.63	1.406	18.63	16.87			36.97	11.500	3.466	24.962	
				2188.0	10380.	10639.	161.75	155.74	1.406	16.87	14.77				11.500	3.466	24.962	
				2164.0	10356.	10615.	161.50	157.50	1.406	14.77	17.23					3.466	24.962	
1359.	01:30	11:37 <sup>44</sup>	8192.	2141.0	10333.	10592.	161.25	159.26	1.406	12.30	10.20	35.54						
				2119.0	10311.	10570.	161.00	160.31	1.406	10.20	8.79				11.500	3.466	24.962	
				2094.0	10286.	10545.	160.75	161.37	1.406	8.79	7.38					3.466	24.962	
				2071.0	10263.	10522.	160.25	162.07	1.406	7.38	5.98					3.466	24.962	
1360.	01:30	11:37 <sup>48</sup>	8192.	2047.0	10239.	10498.	160.25	162.77	1.406	5.98	4.92					3.384	24.962	
				2022.0	10214.	10473.	159.75	163.12	1.406	4.92	3.87					3.301	24.962	
				1997.0	10189.	10448.	159.25	163.48	1.055	3.87	2.81					3.301	24.962	
				1973.0	10165.	10424.	159.00	163.83	0.703	2.81	2.46					3.301	24.962	
1361.	01:30	11:37 <sup>52</sup>	8192.	1950.0	10142.	10401.	158.75	164.18	0.703	2.46	3.87	37.79						
				1926.0	10118.	10377.	158.25	164.53	0.352	3.87	2.46					12.000	3.301	24.962
				1899.0	10094.	10350.	158.25	164.88	0.352	2.46	3.87					12.000	3.301	24.962
				1872.0	10069.	10323.	158.00	165.23	0.352	2.46	3.87					12.000	3.301	24.962
1362.	01:30	11:37 <sup>56</sup>	8192.	1847.0	10039.	10294.	158.00	165.59	0.352	3.87	2.46					12.000	3.301	24.962
				1819.0	10011.	10270.	158.00	166.29	0.000	6.33	8.79					12.000	3.301	24.962
				1792.0	9984.	10243.	158.00	166.99	0.000	10.90	13.36					12.500	3.301	24.962
				1764.0	9956.	10215.	158.25	168.05	0.352	13.36	16.17					12.500	3.384	24.962
1363.	01:30	11:38 <sup>00</sup>	8192.	1733.0	9925.	10184.	158.25	169.45	0.000	16.17	18.28					12.500	3.466	24.962
				1700.0	9892.	10151.	158.50	171.21	0.352	18.28	20.28					12.500	3.466	24.962
				1670.0	9862.	10121.	158.50	173.32	0.352	17.58	16.52					12.500	3.466	24.962
				1639.0	9831.	10090.	158.50	175.43	0.352	16.52	14.77					12.500	3.466	24.962
1364.	01:30	11:38 <sup>04</sup>	8192.	1606.0	9798.	10057.	158.50	177.54	0.352	14.77	17.23					12.500	3.466	24.962
				1575.0	9767.	10026.	158.75	179.65	0.352	14.77	17.23					12.500	3.466	24.962
				1546.0	9738.	9997.	158.75	180.35	0.703	13.01	11.60					12.500	3.466	24.962
				1516.0	9708.	9967.	159.25	182.11	1.055	9.84	7.73					12.500	3.466	24.962
				1484.0	9676.	9935.	159.75	183.16	1.406	7.73	6.33					12.500	3.466	24.962
1365.	01:30	11:38 <sup>08</sup>	8192.	1458.0	9650.	9909.	160.25	184.22	1.406	6.33	8.79	35.51						
				1433.0	9625.	9884.	160.00	184.57	1.758	6.33	8.79					12.500	3.466	24.962
				1407.0	9599.	9858.	160.00	185.27	1.758	6.33	8.79					12.500	3.466	24.962
				1377.0	9569.	9828.	160.00	185.27	1.758	6.33	8.79					12.500	3.466	24.962

QUALITY CONTROL CHECK

0051

TRIP	DATE	LEG	S	FRAME	LAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAR	FLAPR3
1336.	01:29	11:36	8192.	2530.0	10722.	10981.	221.00	135.70	4.570	-4.92	36.97	38.23	36.18	15.000	0.413	4.220				
				2530.0	10722.	10981.	219.75	135.35	4.570	-4.92										
				2532.0	10724.	10983.	218.50	135.00	4.570	-4.22										
1337.	01:29	11:36	8192.	2531.0	10723.	10982.	217.50	134.65	4.570	-3.87	36.80	38.06	35.98	15.000	0.413	3.868				
				2529.0	10721.	10980.	216.00	133.95	4.570	-3.52										
				2528.0	10720.	10979.	214.75	133.59	4.570	-3.16										
				2528.0	10720.	10979.	213.50	133.24	4.922	-2.46										
1338.	01:29	11:36	8192.	2525.0	10717.	10976.	212.00	133.24	5.273	-1.41	36.65	37.85	35.77	14.500	0.825	3.868				
				2525.0	10717.	10976.	211.00	132.89	4.922	-0.70										
				2526.0	10718.	10977.	210.75	132.89	5.273	-0.35										
				2524.0	10716.	10975.	209.00	132.54	5.273	-0.35										
1339.	01:29	11:36	8192.	2522.0	10714.	10973.	208.00	132.54	5.273	-0.35	36.45	37.70	35.62	14.000	0.825	3.868				
				2522.0	10714.	10973.	206.75	132.54	5.273	-0.35										
				2522.0	10714.	10973.	206.00	132.54	5.273	-0.35										
				2521.0	10713.	10972.	205.00	132.54	5.273	-0.35										
				2520.0	10712.	10971.	204.00	132.54	5.273	-0.35										
1340.	01:29	11:36	8192.	2520.0	10712.	10971.	203.00	132.54	5.625	-0.35	36.33	37.62	35.48	14.000	0.825	3.868				
				2517.0	10709.	10968.	202.00	132.19	5.977	-0.35										
				2515.0	10707.	10966.	201.25	132.54	5.625	-0.35										
1341.	01:29	11:36	8192.	2516.0	10708.	10967.	200.25	132.54	5.273	-0.35	36.18	37.47	35.36	14.000	1.155	10.899				
				2521.0	10713.	10972.	199.00	132.89	5.273	0.00										
				2522.0	10714.	10973.	197.75	132.89	4.922	0.35										
				2524.0	10716.	10975.	196.00	132.89	4.922	0.35										
1342.	01:29	11:36	8192.	2526.0	10718.	10977.	194.00	132.89	4.922	0.35	39.90	47.72	59.65	14.000	1.568	20.743				
				2528.0	10720.	10979.	192.00	132.89	4.922	0.35										
				2531.0	10723.	10982.	190.00	132.54	4.922	0.35										
				2549.0	10731.	10990.	188.75	132.54	4.570	0.35										
1343.	01:29	11:36	8192.	2550.0	10742.	11001.	187.50	132.54	4.219	0.00	75.67	81.36	78.16	13.000	1.486	23.204				
				2560.0	10752.	11011.	186.75	132.54	3.867	-0.35										
				2566.0	10758.	11017.	186.00	132.54	3.867	-0.35										
				2573.0	10765.	11024.	185.75	132.89	3.516	-0.35										
1344.	01:29	11:36	8192.	2579.0	10771.	11030.	185.75	132.89	3.516	-0.35	80.74	83.55	78.60	12.500	1.486	24.962				
				2586.0	10778.	11037.	185.50	132.49	3.516	-0.35										
				2592.0	10784.	11043.	185.50	132.89	3.516	-0.35										
				2596.0	10788.	11047.	185.25	133.24	3.164	1.05										
1345.	01:29	11:36	8192.	2601.0	10793.	11052.	184.75	133.24	3.164	3.52	80.62	83.88	79.72	13.000	1.568	24.962				
				2604.0	10796.	11055.	184.50	133.59	3.164	5.98										
				2606.0	10798.	11057.	183.75	133.95	3.164	8.44										
				2608.0	10800.	11059.	183.50	134.65	3.164	9.44										
1346.	01:29	11:36	8192.	2609.0	10801.	11060.	183.75	135.35	3.164	9.44	82.00	84.49	78.37	12.500	1.568	24.962				
				2608.0	10800.	11059.	184.00	136.05	3.164	9.14										
				2609.0	10801.	11060.	184.50	137.11	3.164	8.79										
				2610.0	10802.	11061.	184.50	137.81	3.164	8.44										
1347.	01:29	11:36	8192.	2610.0	10802.	11061.	184.50	138.52	2.812	7.73	75.35	75.26	67.44	13.000	1.568	24.962				
				2609.0	10800.	11059.	184.25	139.22	2.812	6.68										
				2607.0	10799.	11058.	184.00	139.57	2.812	5.62										
				2605.0	10797.	11056.	183.50	139.92	2.812	4.57										
1348.	01:29	11:37:00	8192.	2603.0	10795.	11054.	183.25	140.27	2.812	3.67	62.14	58.24	48.22	13.000	1.568	24.962				
				2601.0	10793.	11052.	182.75	140.62	2.812	3.16										
				2597.0	10789.	11048.	181.75	140.96	2.812	2.81										
				2594.0	10786.	11045.	180.50	140.98	2.812	2.46										
1349.	01:29	11:37:04	8192.	2589.0	10781.	11040.	179.00	140.98	3.164	1.76	45.41	45.23	41.75	12.000	1.568	24.962				
				2584.0	10776.	11035.	177.75	140.98	3.164	1.41										
				2582.0	10774.	11033.	176.75	140.98	3.164	0.70										
				2579.0	10771.	11030.	175.50	141.33	3.164	0.35										
1350.	01:29	11:37:08	8192.	2575.0	10767.	11026.	174.50	141.33	3.164	0.35	41.87	40.78	39.23	11.500	2.063	24.962				
				2574.0	10766.	11025.	173.50	141.68	3.164	0.35										
				2569.0	10761.	11020.	172.50	141.68	3.516	0.70										
				2563.0	10755.	11014.	171.25	141.68	3.516	0.35										
				2559.0	10751.	11010.	170.00	141.68	3.516	0.35										

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QUALITY CONTROL CHECK

TRIP	DATE	LEG	S	FRAME	LAPSE	GAT	ADIC	ALTF	ALT	MNL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAB	FLAPP3
1321	01:24	11:35	R192	2512.0	10704	10963	241.00	138.87	2.109	1.05	38.64	39.96	36.06	20.500	0.000	0.001				
				2511.0	10703	10962	279.75	138.87	2.109	0.70										
				2512.0	10704	10963	278.50	138.87	2.109	0.35										
				2511.0	10703	10962	277.75	138.87	2.109	0.00										
1322	01:28	11:35	R192	2510.0	10702	10961	276.25	138.87	2.109	0.00	38.50	39.84	37.88	20.500	0.083	0.001				
				2512.0	10704	10963	275.50	138.87	2.109	0.00										
				2511.0	10703	10962	274.00	138.87	2.109	0.35										
				2512.0	10704	10963	273.25	138.87	2.109	0.00										
1323	01:28	11:35	R192	2511.0	10703	10962	272.25	138.87	2.109	0.35	38.35	39.73	37.73	19.500	0.083	0.001				
				2512.0	10704	10963	271.00	138.87	2.109	0.00										
				2509.0	10701	10960	269.25	138.87	2.109	0.35										
				2510.0	10702	10961	268.00	138.87	2.109	0.00										
1324	01:28	11:35	R192	2512.0	10704	10963	266.75	138.87	2.109	0.35	38.17	39.58	37.56	19.000	0.083	0.001				
				2511.0	10703	10962	265.50	138.87	2.109	0.00										
				2512.0	10704	10963	264.25	138.87	2.109	0.35										
				2511.0	10703	10962	263.00	138.87	2.109	0.00										
1325	01:28	11:35	R192	2512.0	10704	10963	262.00	138.87	2.109	0.35	38.06	39.43	37.47	19.000	0.083	0.001				
				2511.0	10703	10962	261.25	138.87	2.109	0.00										
				2512.0	10704	10963	260.00	138.87	2.109	0.35										
1326	01:28	11:35	R192	2511.0	10703	10962	259.25	138.87	2.109	0.00	37.97	39.35	37.32	18.500	0.083	0.001				
				2512.0	10704	10963	258.00	138.87	2.109	0.35										
				2511.0	10703	10962	257.00	138.87	2.109	0.00										
1327	01:28	11:35	R192	2512.0	10704	10963	256.00	138.87	2.109	0.35	37.82	39.26	37.21	18.500	0.083	0.001				
				2511.0	10703	10962	255.50	138.87	2.109	0.00										
				2512.0	10704	10963	254.50	138.87	2.109	0.35										
1328	01:28	11:35	R192	2517.0	10709	10964	252.75	138.87	2.109	0.00	37.70	39.08	37.21	18.000	0.083	4.973				
				2520.0	10712	10971	251.50	138.87	2.109	0.35										
				2521.0	10713	10972	250.25	138.87	2.109	0.00										
				2522.0	10714	10973	249.25	138.87	2.109	0.35										
1329	01:28	11:35	R192	2521.0	10713	10972	248.00	138.87	2.109	0.00	51.15	52.70	57.01	17.500	0.083	4.220				
				2522.0	10714	10973	246.25	138.87	2.109	0.35										
				2523.0	10715	10974	245.00	138.87	2.109	0.00										
1330	01:28	11:35	R192	2536.0	10728	10987	243.50	138.87	2.109	0.00	74.91	78.72	73.30	17.000	0.083	4.220				
				2537.0	10729	10988	243.25	138.87	2.109	0.35										
				2538.0	10730	10989	243.00	138.87	2.109	0.00										
				2539.0	10731	10990	242.75	138.87	2.109	0.35										
1331	01:28	11:35	R192	2543.0	10735	10994	242.50	138.87	2.109	0.00	77.67	77.02	68.17	16.500	0.083	4.220				
				2544.0	10736	10995	242.00	138.87	2.109	0.35										
				2545.0	10737	10996	241.25	138.87	2.109	0.00										
1332	01:28	11:35	R192	2550.0	10742	10998	240.25	138.87	2.109	0.00	62.34	51.06	43.56	16.500	0.083	4.220				
				2551.0	10743	10999	239.75	138.87	2.109	0.35										
				2552.0	10744	10999	239.50	138.87	2.109	0.00										
1333	01:28	11:36	R192	2525.0	10717	10976	237.25	138.87	2.109	0.00	40.08	39.52	37.24	16.500	0.083	4.220				
				2526.0	10718	10977	236.50	138.87	2.109	0.35										
				2527.0	10719	10978	235.75	138.87	2.109	0.00										
				2528.0	10720	10979	234.50	138.87	2.109	0.35										
1334	01:28	11:36	R192	2529.0	10721	10980	233.00	138.87	2.109	0.00	37.53	38.76	36.59	16.000	0.083	4.220				
				2530.0	10722	10981	232.00	138.87	2.109	0.35										
				2531.0	10723	10982	231.50	138.87	2.109	0.00										
				2532.0	10724	10983	230.00	138.87	2.109	0.35										
				2533.0	10725	10984	229.00	138.87	2.109	0.00										
				2534.0	10726	10985	228.00	138.87	2.109	0.35										
1335	01:28	11:36	R192	2535.0	10727	10986	227.75	138.87	2.109	0.00	37.18	38.44	36.33	15.500	0.413	4.220				
				2536.0	10728	10987	227.25	138.87	2.109	0.35										
				2537.0	10729	10988	226.50	138.87	2.109	0.00										
				2538.0	10730	10989	225.25	138.87	2.109	0.35										
				2539.0	10731	10990	224.00	138.87	2.109	0.00										
				2540.0	10732	10991	223.00	138.87	2.109	0.35										
				2541.0	10733	10992	222.00	138.87	2.109	0.00										

QUALITY CONTROL CHECK

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TRIP DATE LFG

S	FRANK	LARGE	G-1	ALIC	ALIF	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAI	STAR	FLAPR3
1306.	01:27	11:44	8192.	1218.0	11410.	11669.	332.50	131.13	-0.352	0.00	40.72				30.000	-0.413	0.001
				3185.0	11377.	11636.	332.25	131.13	-0.352	0.00							
				4156.0	11344.	11607.	332.00	130.78	-0.352	0.35							
1307.	01:27	11:34	8192.	3123.0	11315.	11574.	332.00	130.78	-0.352	0.00	40.72		41.60	40.43	29.500	-0.413	0.001
				3096.0	11290.	11549.	332.00	130.78	-0.352	-0.35							
				3071.0	11263.	11522.	331.75	130.78	-0.352	-0.35							
				3044.0	11236.	11495.	331.50	130.78	-0.352	-0.35							
1308.	01:27	11:34	8192.	3017.0	11209.	11468.	331.25	130.78	-0.352	-0.35							
				2991.0	11183.	11442.	331.25	130.78	-0.352	-0.35	40.72				29.500	-0.413	0.001
				2966.0	11158.	11417.	331.00	130.78	-0.352	-0.35			41.54	40.34	29.000	-0.413	0.001
				2941.0	11132.	11391.	330.75	130.78	-0.352	-0.35							
1309.	01:27	11:34	8192.	2912.0	11104.	11363.	330.50	130.74	-0.352	0.35	40.63				29.000	-0.413	0.001
				2886.0	11078.	11337.	330.25	130.78	-0.352	1.76							
				2862.0	11054.	11313.	330.00	131.13	-0.352	4.22			41.51	40.28	29.000	-0.413	0.001
				2836.0	11028.	11287.	330.25	131.48	-0.352	6.64							
1310.	01:27	11:31	8192.	2810.0	11002.	11261.	330.00	131.84	-0.352	8.79	40.61				29.000	-0.413	0.001
				2782.0	10974.	11233.	330.00	132.19	-0.352	9.84							
				2755.0	10947.	11206.	330.00	132.54	-0.352	10.20			41.51	40.20	28.500	-0.413	0.001
				2730.0	10922.	11181.	330.00	133.24	-0.352	10.20							
1311.	01:27	11:34	8192.	2706.0	10898.	11157.	329.50	133.59	-0.352	10.20							
				2686.0	10878.	11137.	329.00	134.30	-0.352	9.49	40.49				28.500	-0.413	0.001
				2672.0	10854.	11113.	328.75	134.65	-0.352	8.44							
				2659.0	10831.	11110.	328.00	135.00	-0.352	7.38			41.43	40.08	28.000	-0.413	0.001
1312.	01:27	11:34	8192.	2645.0	10807.	11096.	327.00	135.35	-0.352	6.64							
				2631.0	10783.	11072.	326.25	135.70	-0.352	5.98	40.34				26.500	-0.413	0.001
				2614.0	10759.	11048.	325.50	136.05	-0.352	5.27			41.34	39.84	26.000	-0.413	0.001
				2595.0	10735.	11024.	324.75	136.40	-0.352	4.22							
1313.	01:27	11:34	8192.	2584.0	10711.	11000.	324.00	136.75	-0.352	2.81	40.14				25.500	-0.413	0.001
				2567.0	10687.	10976.	323.25	137.10	-0.352	1.76							
				2552.0	10663.	10952.	322.50	137.45	-0.352	1.05			41.19	39.58	25.000	-0.413	0.001
1314.	01:27	11:34	8192.	2538.0	10639.	10928.	321.75	137.80	-0.352	0.70					24.500	-0.413	0.001
				2522.0	10615.	10904.	321.00	138.15	-0.352	0.35	39.90				24.000	-0.413	0.001
				2506.0	10591.	10880.	320.25	138.50	-0.352	0.00			41.04	39.37	23.500	-0.413	0.001
1315.	01:27	11:34	8192.	2490.0	10567.	10856.	319.50	138.85	-0.352	-0.35					23.000	-0.413	0.001
				2474.0	10543.	10832.	318.75	139.20	-0.352	-0.35	39.73				22.500	-0.413	0.001
				2458.0	10519.	10808.	318.00	139.55	-0.352	-0.35			40.87	39.23	22.000	-0.413	0.001
1316.	01:27	11:34	8192.	2442.0	10495.	10784.	317.25	139.90	-0.352	-0.35					21.500	-0.413	0.001
				2426.0	10471.	10760.	316.50	140.25	-0.352	-0.35	39.52				21.000	-0.413	0.001
				2410.0	10447.	10736.	315.75	140.60	-0.352	-0.35			40.69	38.96	20.500	-0.413	0.001
1317.	01:27	11:31	8192.	2394.0	10423.	10712.	315.00	140.95	-0.352	-0.35					20.000	-0.413	0.001
				2378.0	10399.	10688.	314.25	141.30	-0.352	-0.35	39.40				19.500	-0.413	0.001
				2362.0	10375.	10664.	313.50	141.65	-0.352	-0.35			40.58	38.79	19.000	-0.413	0.001
1318.	01:27	11:35	8192.	2346.0	10351.	10640.	312.75	142.00	-0.352	-0.35					18.500	-0.413	0.001
				2330.0	10327.	10616.	312.00	142.35	-0.352	-0.35	38.17				18.000	-0.413	0.001
				2314.0	10303.	10592.	311.25	142.70	-0.352	-0.35			40.40	39.58	17.500	-0.413	0.001
1319.	01:27	11:35	8192.	2298.0	10279.	10568.	310.50	143.05	-0.352	-0.35					17.000	-0.413	0.001
				2282.0	10255.	10544.	309.75	143.40	-0.352	-0.35	38.99				16.500	-0.413	0.001
				2266.0	10231.	10520.	309.00	143.75	-0.352	-0.35			40.22	38.41	16.000	-0.413	0.001
1320.	01:27	11:35	8192.	2250.0	10207.	10496.	308.25	144.10	-0.352	-0.35					15.500	-0.413	0.001
				2234.0	10183.	10472.	307.50	144.45	-0.352	-0.35	38.82				15.000	-0.413	0.001
				2218.0	10159.	10448.	306.75	144.80	-0.352	-0.35			40.14	38.23	14.500	-0.413	0.001
				2202.0	10135.	10424.	306.00	145.15	-0.352	-0.35					14.000	-0.413	0.001

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QUALITY CONTROL CHECK



TRIP	DATE	LEG	S	FRAM	LARSE	GHI	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	SIAP	FLAPR3
1291.	01:26	11:33	12288.	1537.0	13825.	14084.	335.75	119.88	-1.758	-0.35	45.29									
				1492.0	13780.	14039.	335.75	119.53	-1.406	-0.35										
				1449.0	13737.	13996.	335.50	119.88	-1.406	-0.35										
				1410.0	13694.	13957.	335.25	119.88	-1.406	-0.35										
1292.	01:26	11:33	12288.	1370.0	13654.	13917.	335.00	119.88	-1.406	-0.35	45.20									
				1328.0	13611.	13875.	334.75	119.88	-1.758	0.00										
				1286.0	13574.	13833.	334.50	119.88	-1.758	-0.35										
				1245.0	13533.	13792.	334.75	119.88	-1.758	-0.35										
1293.	01:26	11:33	12288.	1204.0	13492.	13751.	335.50	119.88	-1.406	0.00	45.12									
				1162.0	13450.	13709.	336.25	119.88	-1.406	0.00										
				1123.0	13411.	13670.	336.25	119.88	-1.406	0.00										
				1084.0	13372.	13631.	336.25	119.88	-1.406	0.00										
1294.	01:26	11:43	12284.	1041.0	13329.	13588.	336.50	119.88	-1.406	0.00	43.74									
				1004.0	13292.	13551.	337.00	119.88	-1.055	0.00										
				967.0	13255.	13514.	337.00	119.88	-1.055	0.00										
				930.0	13218.	13477.	336.75	119.88	-1.055	0.00										
1295.	01:26	11:33	12238.	894.0	13182.	13441.	336.25	119.88	-1.055	0.00	41.34									
				850.0	13148.	13407.	336.00	119.88	-1.055	-0.35										
				825.0	13113.	13372.	335.75	119.88	-1.055	-0.35										
				799.0	13077.	13336.	335.50	119.88	-1.055	-0.35										
1296.	01:26	11:33	12248.	758.0	13044.	13303.	335.00	119.88	-1.055	-0.35	41.16									
				724.0	13012.	13271.	334.75	119.88	-1.055	-0.35										
				691.0	12979.	13238.	334.50	119.88	-1.055	-0.35										
				655.0	12943.	13202.	334.00	119.88	-1.055	-0.35										
1297.	01:26	11:33	12284.	622.0	12910.	13169.	334.00	119.88	-1.406	-0.35	41.07									
				586.0	12874.	13133.	333.50	119.88	-1.406	-0.35										
				550.0	12838.	13097.	333.25	119.88	-1.406	-0.35										
				512.0	12800.	13059.	333.25	119.88	-1.406	-0.70										
1298.	01:26	11:33	12288.	477.0	12765.	13024.	333.75	120.23	-1.406	2.81	41.02									
				442.0	12730.	12989.	333.00	120.23	-1.406	4.42										
				401.0	12689.	12948.	333.00	120.54	-1.406	7.38										
				363.0	12652.	12911.	332.75	121.29	-1.758	10.20										
1299.	01:26	11:33	12288.	325.0	12614.	12873.	332.50	121.64	-1.758	12.66	40.99									
				286.0	12574.	12833.	332.50	122.34	-1.758	14.06										
				243.0	12531.	12790.	332.50	122.70	-1.758	14.77										
				200.0	12488.	12747.	332.00	123.40	-1.758	14.77										
1300.	01:26	11:33	12288.	159.0	12447.	12706.	332.00	124.10	-2.109	14.41	40.93									
				112.0	12400.	12659.	332.00	124.45	-2.109	13.36										
				69.0	12357.	12616.	331.75	125.16	-2.109	12.30										
				24.0	12312.	12571.	332.25	125.51	-2.109	10.90										
1301.	01:26	11:33	8192.	4075.0	12267.	12526.	332.50	125.86	-2.109	4.44	40.90									
				3924.0	12216.	12475.	333.00	126.56	-2.109	8.79										
				3779.0	12171.	12430.	333.25	126.41	-2.109	8.79										
				3635.0	12127.	12386.	333.25	127.27	-2.109	8.79										
1302.	01:26	11:33	8192.	3490.0	12082.	12341.	333.25	127.97	-2.109	8.79	40.87									
				3343.0	12035.	12294.	333.00	128.32	-2.109	8.44										
				3199.0	11991.	12259.	332.75	128.67	-2.109	7.73										
				3054.0	11946.	12205.	332.50	129.02	-2.109	6.88										
1303.	01:26	11:33	8192.	2907.0	11900.	12159.	332.25	129.37	-2.109	5.98	40.87									
				2762.0	11854.	12113.	332.25	129.37	-2.109	5.27										
				2617.0	11809.	12068.	332.00	129.73	-2.481	4.57										
				2470.0	11762.	12021.	331.75	130.08	-2.109	3.52										
1304.	01:26	11:33	8192.	2321.0	11713.	11972.	331.75	130.08	-1.758	2.46	40.75									
				2171.0	11664.	11922.	331.75	130.43	-1.406	2.11										
				2024.0	11626.	11885.	332.00	130.43	-1.055	1.76										
				1871.0	11583.	11842.	332.25	130.43	-1.055	0.70										
1305.	01:26	11:33	8192.	1724.0	11546.	11805.	332.25	130.78	-0.703	0.70	40.78									
				1572.0	11504.	11763.	332.25	130.78	-0.703	0.35										
				1427.0	11479.	11738.	332.50	130.78	-0.703	0.00										
				1280.0	11442.	11701.	332.50	130.78	-0.703	0.00										

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QUALITY CONTROL CHECK

QUALITY CONTROL CHECK

Chas. A. Davis

WESTERN DC-14

idn n259718

ENGINEERING UNITS

ENGINEERING WITH DUMP  
DUMP VARIABLE PICTOGRAPH

RECORDING NAME

ALBERT POSITION T-10RD

ALBTRD POSIT RT-TORRD

CURRNT CLOCK TIME

END OF PASSPORT LIST THIS PASS  
REGULATING DO P OF PASS PATRONS



TIME DATE DEG

S	FRAMES	TIME	ALT	ALT	TIME
1291.	01:26	11:33	0.472	-0.596	365.47
			0.497	-0.596	
			0.372	-0.596	
			0.747	-0.596	
1292.	01:26	11:33	0.522	-0.596	365.70
			0.747	-0.596	
			0.522	-0.596	
			0.497	-0.596	
1293.	01:26	11:33	0.747	-0.596	366.02
			0.872	-0.596	
			0.497	-0.596	
			0.747	-0.596	
1294.	01:26	11:33	0.522	-0.596	366.34
			0.397	-0.596	
			0.472	-0.596	
			0.747	-0.596	
1295.	01:26	11:33	0.572	-0.596	366.56
			0.522	-0.596	
			0.522	-0.596	
			0.497	-0.596	
1296.	01:26	11:33	0.522	-0.596	366.88
			0.522	-0.596	
			0.522	-0.596	
			0.497	-0.596	
1297.	01:26	11:33	0.372	-0.596	367.10
			0.372	-0.596	
			1.121	-0.596	
			2.249	-0.596	
1298.	01:26	11:33	2.249	-0.596	367.43
			2.499	-0.596	
			2.748	-0.596	
			2.748	-0.596	
1299.	01:26	11:33	0.872	-0.596	367.65
			0.522	-0.596	
			0.248	-0.596	
1300.	01:26	11:33	1.371	-0.596	367.97
			1.470	-0.596	
			2.121	-0.596	
			2.519	-0.596	
1301.	01:26	11:33	2.745	-0.596	368.29
			1.496	-0.596	
			0.127	-0.596	
			0.501	-0.596	
			0.372	-0.596	
1302.	01:26	11:33	1.121	-0.596	368.51
			1.246	-0.596	
			1.621	-0.596	
			1.521	-0.596	
1303.	01:26	11:34	1.746	-0.596	368.84
			1.970	-0.596	
			1.970	-0.596	
			1.371	-0.596	
1304.	01:26	11:34	0.747	-0.596	369.06
			1.121	-0.596	
			1.371	-0.596	
			0.147	-0.596	
1305.	01:26	11:34	1.121	-0.596	369.38
			1.246	-0.596	
			1.121	-0.596	
			1.121	-0.596	

QUALITY CONTROL CHECK

0056



TRIP DATE LOG

SERIAL	DATE	TIME	ALTITUDE	ALTITUDE	CIT 5
1306	01:27	11:34	1.495	-0.516	369.60
			1.495	-0.516	
			1.510	-0.516	
			1.621	-0.516	
1307	01:27	11:34	0.997	-0.516	367.92
			0.972	-0.516	
			1.997	-0.516	
			0.997	-0.516	
1308	01:27	11:34	0.997	-0.516	370.24
			0.972	-0.516	
			-0.970	-0.477	
			-2.124	-0.477	
1309	01:27	11:34	-2.149	-0.477	370.47
			-2.149	-0.477	
			-2.254	-0.477	
1310	01:27	11:34	-0.952	-0.477	370.79
			0.123	-0.477	
			0.522	-0.516	
			0.997	-0.516	
1311	01:27	11:34	1.246	-0.516	371.01
			1.246	-0.516	
			1.371	-0.556	
			1.496	-0.556	
1312	01:27	11:34	1.621	-0.556	371.33
			1.621	-0.556	
			1.756	-0.556	
			0.757	-0.596	
1313	01:27	11:34	0.622	-0.596	371.55
			0.622	-0.596	
			0.622	-0.636	
			0.497	-0.636	
1314	01:27	11:34	0.372	-0.636	371.87
			0.372	-0.636	
			0.123	-0.636	
			0.497	-0.675	
1315	01:27	11:34	0.372	-0.675	372.10
			0.372	-0.675	
			0.372	-0.715	
			0.246	-0.715	
1316	01:27	11:34	0.372	-0.715	372.42
			0.246	-0.715	
			-0.377	-0.755	
1317	01:27	11:34	-0.501	-0.755	372.74
			-0.902	-0.755	
			-0.501	-0.794	
			-0.127	-0.794	
1318	01:27	11:35	-0.092	-0.794	372.96
			0.123	-0.834	
			0.372	-0.834	
			0.622	-0.834	
1319	01:27	11:35	0.747	-0.834	373.28
			0.747	-0.834	
			0.522	-0.874	
			0.747	-0.874	
1320	01:27	11:35	0.622	-0.834	373.50
			0.747	-0.834	
			0.747	-0.834	
			0.622	-0.834	

0059

QUALITY CONTROL CHECK

TRIP DATE LEG

SEPARATE LAPSE	ONE	ALLOT	AIRRO	CTIME
1321. 01:24 11:35	0.622	-0.794	373.83	
	0.622	-0.794		
	0.197	-0.794		
1322. 01:24 11:35	0.372	-0.755	374.05	
	0.097	-0.755		
	0.372	-0.715		
	0.248	-0.715		
1323. 01:24 11:35	0.248	-0.715	374.37	
	0.123	-0.675		
	-0.002	-0.675		
1324. 01:24 11:35	0.123	-0.636	374.69	
	0.123	-0.636		
	-0.002	-0.596		
1325. 01:24 11:35	-0.002	-0.596	374.91	
	-0.002	-0.556		
	-0.002	-0.556		
	-0.002	-0.556		
1326. 01:24 11:35	-0.002	-0.556	375.24	
	-0.002	-0.516		
	-0.002	-0.516		
1327. 01:24 11:35	0.123	-0.516	375.46	
	0.123	-0.516		
	0.372	-0.477		
	0.248	-0.477		
1328. 01:24 11:35	0.447	-0.516	375.78	
	0.622	-0.636		
	0.447	-0.715		
	0.372	-0.874		
	-0.002	-0.953		
1329. 01:24 11:35	0.372	-0.953	376.00	
	0.622	-0.953		
	0.747	-0.953		
	0.672	-0.953		
1330. 01:24 11:35	0.672	-0.953	376.32	
	0.747	-0.914		
	0.872	-0.953		
	0.747	-0.953		
1331. 01:24 11:35	0.747	-0.914	376.64	
	0.522	-0.914		
	0.747	-0.953		
	0.747	-0.953		
1332. 01:24 11:35	0.622	-0.953	376.87	
	0.622	-0.953		
	0.622	-0.953		
	0.123	-0.953		
1333. 01:24 11:35	-0.002	-0.953	377.19	
	-0.002	-0.914		
	-0.002	-0.914		
	-0.002	-0.914		
1334. 01:24 11:35	1.621	-1.351	377.41	
	2.269	-2.304		
	1.621	-1.430		
	0.872	-1.152		
1335. 01:24 11:35	0.372	-1.072	377.73	
	-0.127	-0.993		
	0.412	-0.993		
	-0.002	-0.953		

00600

QUALITY CONTROL CHECK



02-12-1979 AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TYPE	DATE	LEG	S. FRANK	LAUSE	4PT	WILLI	ALMU	CTIME
1351.	01:30	11:37	-0.002	-0.675	382.18			
			-0.002	-0.675				
			-0.002	-0.675				
1352.	01:30	11:37	0.123	-0.636	382.40			
			0.123	-0.636				
			0.123	-0.636				
1353.	01:30	11:37	0.372	-0.675	382.72			
			0.372	-0.675				
			0.372	-0.675				
1354.	01:30	11:37	0.622	-0.636	382.95			
			0.622	-0.636				
			0.622	-0.636				
1355.	01:30	11:37	0.622	-0.636	383.27			
			0.622	-0.636				
			0.622	-0.636				
1356.	01:30	11:37	-1.001	0.516	383.59			
			-1.001	0.516				
			-1.001	0.516				
1357.	01:30	11:37	-1.112	1.112	383.81			
			-1.112	1.112				
			-1.112	1.112				
1358.	01:30	11:37	-0.377	0.755	384.13			
			-0.377	0.755				
			-0.377	0.755				
1359.	01:30	11:37	3.244	-2.434	384.35			
			3.244	-2.434				
			3.244	-2.434				
1360.	01:30	11:37	2.495	-1.748	384.68			
			2.495	-1.748				
			2.495	-1.748				
1361.	01:30	11:37	0.622	-0.715	384.90			
			0.622	-0.715				
			0.622	-0.715				
1362.	01:30	11:37	-3.172	0.755	385.22			
			-3.172	0.755				
			-3.172	0.755				
1363.	01:30	11:38	-3.997	1.112	385.54			
			-3.997	1.112				
			-3.997	1.112				
1364.	01:30	11:38	2.245	-1.787	385.76			
			2.245	-1.787				
			2.245	-1.787				
1365.	01:30	11:38	3.713	-2.868	386.08			
			3.713	-2.868				
			3.713	-2.868				

0062

QUALITY CONTROL CHECK

FDIF DATE LEG

S	FRATE	DATE	LEG	TIME	TIME	TIME
1366.	01:31	11:38	1.746	-1.509	386.31	
			1.121	-1.470		
			0.872	-1.112		
			0.937	-0.993		
1367.	01:31	11:38	0.622	-0.953	386.63	
			0.377	-0.914		
			0.216	-0.874		
			0.697	-0.834		
1368.	01:31	11:38	0.717	-0.704	386.85	
			0.717	-0.794		
			0.522	-0.755		
			-0.751	-0.675		
1369.	01:31	11:38	-0.439	0.190	387.17	
			-3.123	0.477		
			-3.218	0.556		
			-1.747	0.874		
1370.	01:31	11:38	-3.937	1.192	387.49	
			-3.737	1.231		
			-1.001	-0.675		
			-0.002	-0.555		
1371.	01:31	11:39	1.121	-0.874	387.72	
			2.869	-2.383		
			3.193	-2.761		
			3.493	-2.920		
1372.	01:31	11:38	3.393	-2.820	388.04	
			3.244	-2.820		
			2.744	-2.622		
			2.120	-2.026		
1373.	01:31	11:38	1.870	-1.589	388.26	
			1.746	-1.470		
			1.716	-1.390		
			1.716	-1.351		
1374.	01:31	11:38	0.472	-1.231	388.58	
			0.872	-0.993		
			-3.937	1.986		
			-4.746	2.105		
1375.	01:31	11:38	-4.870	2.026	389.80	
			-6.143	3.138		
			-7.117	3.416		
1376.	01:31	11:38	-2.723	0.139	389.12	
			-2.773	0.199		
			-2.126	0.940		
			-0.377	-0.755		
			-0.377	-0.755		
1377.	01:31	11:38	0.447	-0.874	389.35	
			2.944	-2.502		
			3.443	-2.781		
			3.386	-2.781		
1378.	01:31	11:39	3.386	-2.781	389.67	
			3.093	-2.781		
			3.913	-3.456		
			3.618	-3.694		
1379.	01:31	11:39	2.480	-1.750	389.90	
			1.945	-3.456		
			1.436	-2.502		
			0.937	-2.741		
1380.	01:31	11:39	2.370	-3.337	390.21	
			1.945	-2.741		
			1.121	-1.470		
			-0.002	-0.556		

0063

QUALITY CONTROL CHECK

119

TRIP DATE GCR

S. FRAME LAPS	TIME	AIRL	AIRFO	CTIME
1381, 01:32 11:39	-0.121	-0.477	390.53	
	-0.581	-0.357		
	-0.476	0.000		
	-1.001	0.000		
1382, 01:32 11:39	-0.626	-0.318	390.75	
	-0.002	-0.755		
	-0.002	-0.755		
	-0.002	-0.794		
1383, 01:32 11:39	-0.002	-0.794	391.08	
	-0.002	-0.834		
	-0.002	-0.834		
	0.717	-1.748		
1384, 01:32 11:39	0.422	-1.747	391.30	
	0.987	-1.748		
	0.622	-2.185		
	1.395	-2.800		
1385, 01:32 11:39	1.371	-1.033	391.62	
	-0.002	-0.638		
	-0.127	-0.238		
	-0.626	-0.110		
1386, 01:32 11:39	-0.501	-0.516	391.94	
	-0.002	-0.755		
	-0.002	-0.834		
	1.121	-2.661		
1387, 01:32 11:39	4.242	-4.844	392.16	
	4.117	-3.654		
	0.497	-1.540		
	1.371	-2.383		
1388, 01:32 11:39	1.436	-2.185	392.49	
	0.218	-0.874		
	-0.377	0.596		
	-3.747	2.463		
1389, 01:32 11:39	-2.744	-0.195	392.71	
	-0.002	-0.437		
	-2.499	1.986		
	-2.498	0.437		
1390, 01:32 11:39	-1.500	0.000	393.03	
	-1.001	0.000		
	-1.126	0.914		
	-1.126	0.000		
1391, 01:32 11:39	-0.501	-0.794	393.25	
	0.372	-1.629		
	0.872	-1.787		
	1.521	-2.542		
1392, 01:32 11:39	1.621	-0.715	393.57	
	-1.001	0.318		
	-2.374	0.453		
	-1.500	-0.079		
1393, 01:32 11:39	-0.002	-0.914	393.80	
	-0.002	-0.914		
	0.347	-2.105		
	1.121	-1.708		
1394, 01:32 11:39	-0.002	-0.993	394.12	
	0.872	-1.470		
	0.372	-0.953		
	0.123	-1.390		
1395, 01:32 11:39	1.121	-2.224	394.44	
	2.245	-3.019		
	2.245	-2.582		
	0.622	-0.493		

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QUALITY CONTROL CHECK



TRIP	DATE	TIME	TIME	TIME	TIME
1396.	01:33	11:40	0.372	-0.953	391.66
			0.622	-2.453	
			5.116	-1.363	
			0.372	-1.072	
1397.	01:33	11:40	2.120	-3.456	394.98
			2.245	-2.304	
			1.246	-1.787	
			1.121	-1.708	
1398.	01:33	11:40	1.121	-1.708	395.20
			0.123	-0.794	
			-0.002	-0.715	
			-0.002	-0.636	
1399.	01:33	11:40	-0.002	-0.675	395.52
			-0.002	-0.079	
			-1.993	0.715	
			-3.248	1.488	
1400.	01:33	11:40	-2.249	0.159	395.75
			-1.375	0.079	
			-0.002	-0.834	
			-0.002	-0.397	
1401.	01:33	11:40	-0.826	0.874	396.07
			-1.121	0.079	
			-0.751	0.000	
			-0.501	-0.953	
1402.	01:33	11:40	0.397	-2.105	396.39
			1.716	-3.019	
			1.746	-1.946	
			2.619	-2.423	
1403.	01:33	11:40	1.993	-2.026	396.61
			1.621	-1.787	
			1.121	-1.549	
			0.622	-0.993	
1404.	01:33	11:40	-4.621	1.192	396.93
			-2.139	0.000	
			-2.139	0.000	
			-4.121	0.675	
1405.	01:33	11:40	-3.397	0.397	397.16
			-1.475	-0.357	
			-2.198	0.000	
			-1.121	-0.755	
1406.	01:33	11:40	-1.375	-0.755	397.48
			0.197	-0.794	
			0.712	-1.390	
			0.522	-1.509	
1407.	01:33	11:40	1.746	-1.668	397.70
			2.619	-2.463	
			1.870	-2.066	
			2.744	-2.483	
1408.	01:33	11:41	2.619	-2.344	398.02
			2.245	-2.145	
			2.120	-1.827	
			4.237	-1.351	
1409.	01:33	11:41	-4.405	-0.477	398.34
			0.712	-1.946	
			-1.375	0.000	
			5.120	0.000	
1410.	01:33	11:41	6.614	0.000	398.56
			1.621	0.000	
			3.241	0.000	
			6.115	0.000	

0065

QUALITY CONTROL CHECK

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## Results

IF NOT COLLECTED CORRECTLY,  
DATA MAY BE OK.

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QUALITY CONTROL CHECK

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S	SPR	DATE	TIME	VRG	VRG	VRG	VRG	LATG	LATG	LATG	LATG	LONG	ELEV	FLEVR	RUDUP	FUDUP	RUDLO
1366	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1367	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1368	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1369	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1370	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1371	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1372	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1373	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1374	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1375	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1376	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1377	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1378	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1379	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
1380	01:31	11:34	0.373	0.373	0.373	0.373	0.373	0.0057	0.0097	0.0097	0.0036	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077

QUALITY CONTROL CHECK

59





[illegible]

202

QUALITY CONTROL CHECK

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QUALITY CONTROL CHECK

0576

11/19/77  
Can AGLS

PART 2 of 5

WESTERN DC-10  
MEXICO CITY  
31-OCT-77

ENGINEERING UNITS  
+ = FOREWARD ACCELERATION  
G.S. → + = RIGHT  
G.S. → + = LEFT  
G.S. → + = NOISE UP (TAILING, COKE UP)  
G.S. → + = NOISE RIGHT ( " RIGHT)  
G.S. → + = NOISE LEFT ( " LEFT)

ENGINEERING UNITS DATA  
DATE: 31-OCT-77  
TIME: 14:00  
LOCATION: MEXICO CITY  
UNIT: WESTERN DC-10  
TEST: ACCELERATION  
TESTER: [illegible]  
REVIEWER: [illegible]  
APPROVAL: [illegible]  
REMARKS: [illegible]

DISCRETE DATA DUMP  
DUMP VARIABLE DICTIONARY

MEMORIC

VHF1  
VHF2  
VHF3  
HF1  
HF2  
EVELP  
TR01  
TR02  
TR03  
TR04  
FLAG1  
FLAG2

PARAMETER NAME

VHF 1 KEYING  
VHF 2 KEYING  
VHF 3 KEYING  
HF 1 KEYING  
HF 2 KEYING  
EVENT MARKED  
THRUST REVERSE UNLOCKED  
THRUST REVERSE DEPLOYED  
THRUST REVERSE UNLOCKED  
THRUST REVERSE DEPLOYED  
THRUST REVERSE UNLOCKED  
THRUST REVERSE DEPLOYED  
ALTITUDE FLAG 1  
ALTITUDE FLAG 2

$\Phi$  = NOT KEYED,  $\perp$  = MICROPHONE KEYED  
NOT HOOKED UP  
 $\perp$  = EVENT NOTED BY FLIGHT ENGINEER  
 $\Phi$  = UNLOCKED,  $\perp$  = LOCKED  
 $\Phi$  = DEPLOYED,  $\perp$  = STOWED

END OF PARAMETER LIST THIS PASS  
BEGINNING DUMP OF PASS PARAMETERS

WESTERN DC-10  
MEXICO CITY  
31-OCT-79  
PART 4 OF 5

Considered as a pair:

$\Phi \Phi$  = PRESSURE ALTITUDE  $> \Phi$   
 $\perp \Phi$  = FAIL FLAG  
 $\Phi \perp$  = NO COMPUTED DATA  
 $\perp \perp$  = PRESSURE ALT  $< \Phi$

QUALITY CONTROL CHECK

Carl A  
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11/9/79

0077

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QUALITY CONTROL CHECK

TIME	DATE	LEG	S	TIME	DATE	LEG	S
1291.	01:26	11:33	0	1291.	01:26	11:33	0
1292.	01:26	11:33	0	1292.	01:26	11:33	0
1293.	01:26	11:33	0	1293.	01:26	11:33	0
1294.	01:26	11:33	0	1294.	01:26	11:33	0
1295.	01:26	11:33	0	1295.	01:26	11:33	0
1296.	01:26	11:33	0	1296.	01:26	11:33	0
1297.	01:26	11:33	0	1297.	01:26	11:33	0
1298.	01:26	11:33	0	1298.	01:26	11:33	0
1299.	01:26	11:33	0	1299.	01:26	11:33	0
1300.	01:26	11:33	0	1300.	01:26	11:33	0
1301.	01:26	11:33	0	1301.	01:26	11:33	0
1302.	01:26	11:33	0	1302.	01:26	11:33	0
1303.	01:26	11:33	0	1303.	01:26	11:33	0
1304.	01:26	11:33	0	1304.	01:26	11:33	0
1305.	01:26	11:33	0	1305.	01:26	11:33	0

0018

TRIP DATE DEC

S	FRAME	LABR	CHI	HE1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1306.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1307.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1308.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1309.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1310.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1311.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1312.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1313.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1314.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1315.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1316.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1317.	01:27	11:34	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1318.	01:27	11:35	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1319.	01:27	11:35	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1320.	01:27	11:35	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0

QUALITY CONTROL CHECK

1079

TRIP DATE LEG

S	FRAME	LAPSE	GMI	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRO1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1321.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1322.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1323.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1324.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1325.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1326.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1327.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1328.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1329.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1330.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1331.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1332.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1333.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1334.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1335.	01:24	11:35	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0

QUALITY CONTROL CHECK

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TRIP DATE DPG

S	FRAME	LAPSE	GAT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1336.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1337.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1338.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1339.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1340.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1341.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1342.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1343.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1344.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1345.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1346.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1347.	01:29	11:36	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1348.	01:29	11:37	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1349.	01:29	11:37	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1350.	01:29	11:37	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0

0081

QUALITY CONTROL CHECK

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TRIP DATE LEG

S	FRANK	LARGE	TR1	TRF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1351.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1352.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1353.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1354.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1355.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1356.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1357.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1358.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1359.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1360.	01:30	11:37	1	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1361.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1362.	01:30	11:37	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1363.	01:30	11:38	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1364.	01:30	11:38	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								
1365.	01:30	11:38	0	0	0	1	0	0	0	1	1					0	0
			0	0	0	1	0	0	0			1	1	1	1		
			0	0	0	1	0	0	0								

QUALITY CONTROL CHECK

0152



TIME DATE DAY

S	FRAME	PARSE	GAT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1396.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1397.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1398.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1399.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1400.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1401.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1402.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1403.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1404.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1405.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1406.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1407.	01:33	11:40	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1408.	01:33	11:41	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1409.	01:33	11:41	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0
1410.	01:33	11:41	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0

0083

QUALITY CONTROL CHECK

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TRIP	DATE	LEG	S	FRAME	LARGE	GAT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1381.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1382.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1383.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1384.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1385.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1386.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1387.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1388.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1389.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1390.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1391.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1392.	01:32	11:39	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1393.	01:32	11:40	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1394.	01:32	11:40	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0
1395.	01:32	11:40	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0

QUALITY CONTROL CHECK

005



S	FRAME	DATE	G-1	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1365	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1366	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1367	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1368	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1369	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1370	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1371	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1372	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1373	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1374	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1375	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1376	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1377	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1378	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1379	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
1380	01:31	11:38	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0

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QUALITY CONTROL CHECK

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